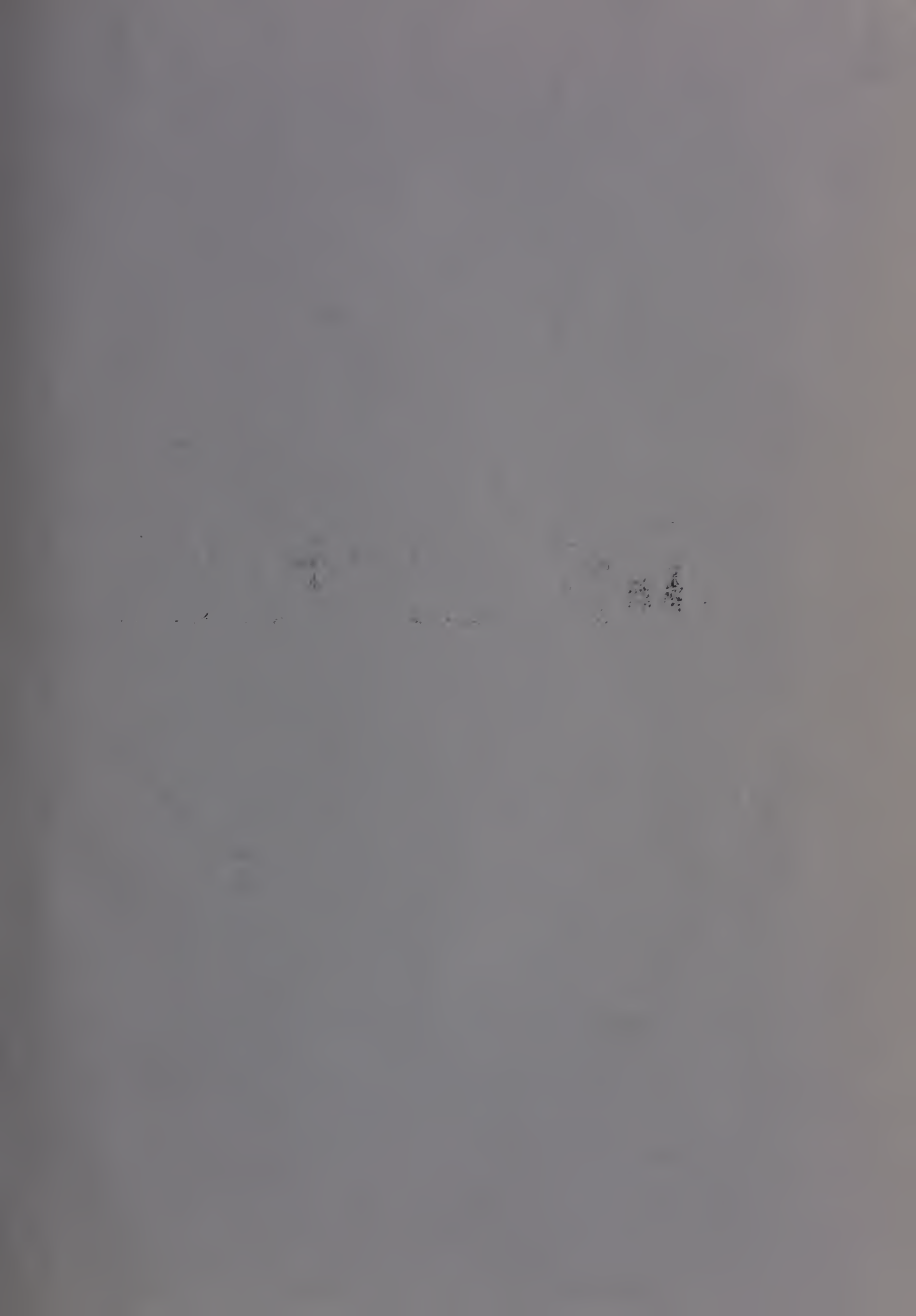




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BULLETIN No. 130-68

# HYDROLOGIC DATA: 1968

## Volume II: NORTHEASTERN CALIFORNIA

SEPTEMBER 1970

**NORMAN B. LIVERMORE, JR.**  
Secretary for Resources  
The Resources Agency

**RONALD REAGAN**  
Governor  
State of California

**WILLIAM R. GIANELLI**  
Director  
Department of Water Resources





STATE OF CALIFORNIA  
The Resources Agency  
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**WILLIAM R. GIANELLI**  
*Director*  
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BULLETIN No. 130  
 HYDROLOGIC DATA  
 AREAL COVERAGE OF VOLUMES

Each Volume Contains

- Appendix A: Climatological Data
- Appendix B: Surface Water Measurements
- Appendix C: Ground Water Measurements
- Appendix D: Surface Water Quality
- Appendix E: Ground Water Quality

This Volume 



## FOREWORD

The data collection programs of the Department of Water Resources have been designed to supplement the activities of other agencies to satisfy specific needs of the State. Bulletin No. 130-68 presents useful, comprehensive, accurate, and timely hydrologic data which are prerequisites for effective planning, design, construction, and operation of water facilities.

The Bulletin No. 130 series is published annually in five volumes. Each volume presents hydrologic data for one of five reporting areas of the State. These areas are delineated on the map to the left.

*William R. Gianelli*

William R. Gianelli, Director  
Department of Water Resources  
The Resources Agency  
State of California  
July 7, 1970



## METRIC CONVERSION TABLE

ENGLISH UNIT	EQUIVALENT METRIC UNIT
1 Inch (in)	2.54 Centimeters
1 Foot (ft)	0.3048 Meters
1 Mile (mi)	1.609 Kilometers
1 Acre	0.405 Hectares
1 Square mile (sq.mi.)	2.590 Square kilometers
1 U. S. gallon (gal)	3.785 Liters
1 Acre-foot (ac.ft.)	1,233.5 Cubic meters
1 U. S. gallon per minute (gpm)	0.0631 Liters per second
1 Cubic foot per second (cfs)	1.7 Cubic meters per minute
1 Part per million (ppm)	1 Milligram per liter (mg/l)
1 Part per billion (ppb)	1 Microgram per liter (ug/l)
1 Part per trillion (ppt)	1 Nanogram per liter (ng/l)
1 Equivalent per million (epm)	1 Milliequivalent per liter (me/l)
Degrees Fahrenheit (°F)	$5/9 (°F-32)$ Degrees Centigrade (°C)

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Placer County

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Sacramento Municipal Utility District  
San Joaquin County  
Solano County  
South San Joaquin Irrigation District

South Sutter Water District  
Sutter County  
Tehama County  
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U. S. Bureau of Reclamation

U. S. Geological Survey  
U. S. Weather Bureau  
Yolo County  
Yuba County

State of California  
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Water Resources Evaluation Section



## ABSTRACT

Report contains tables showing data on climate, surface water flow, ground water levels, and surface and ground water quality in Northeastern California for the 1967-68 water year. Figures show the location of climatological observation stations and ground water basins; the average depth to water in wells; fluctuation of water level in wells; the location of surface water measurement and surface water quality stations; the maximum, minimum, and average daily specific conductance at selected stations; daily water temperatures; lines of maximum annual salinity encroachment; and major drainage and hydrographic unit boundaries.



Appendix A  
CLIMATOLOGICAL DATA



## INTRODUCTION

This appendix summarizes monthly precipitation, temperature, wind movement and evaporation data for Northeastern California from July 1, 1967, to September 30, 1968. Twenty-one cooperating agencies and 284 local observers supplied the data. Detailed daily and hourly data not published here are available in the files of the Department of Water Resources.

To insure accuracy, stations are inspected annually to see that the equipment is properly maintained and that observations generally are taken in accordance with U. S. Weather Bureau standards.

Each station in this appendix has been assigned an identification number. The letter and first digit denote the drainage basin as shown below. The remaining digits denote the sequence of the station in alphabetical order.

### Sacramento River Basin

- A0 Sacramento Valley Floor
- A1 Pit River
- A2 Shasta Lake
- A3 Sacramento Valley West Side
- A4 Sacramento Valley Northeast
- A5 Feather River
- A6 Yuba-Bear Rivers
- A7 American River
- A8 Cache Creek
- A9 Putah Creek

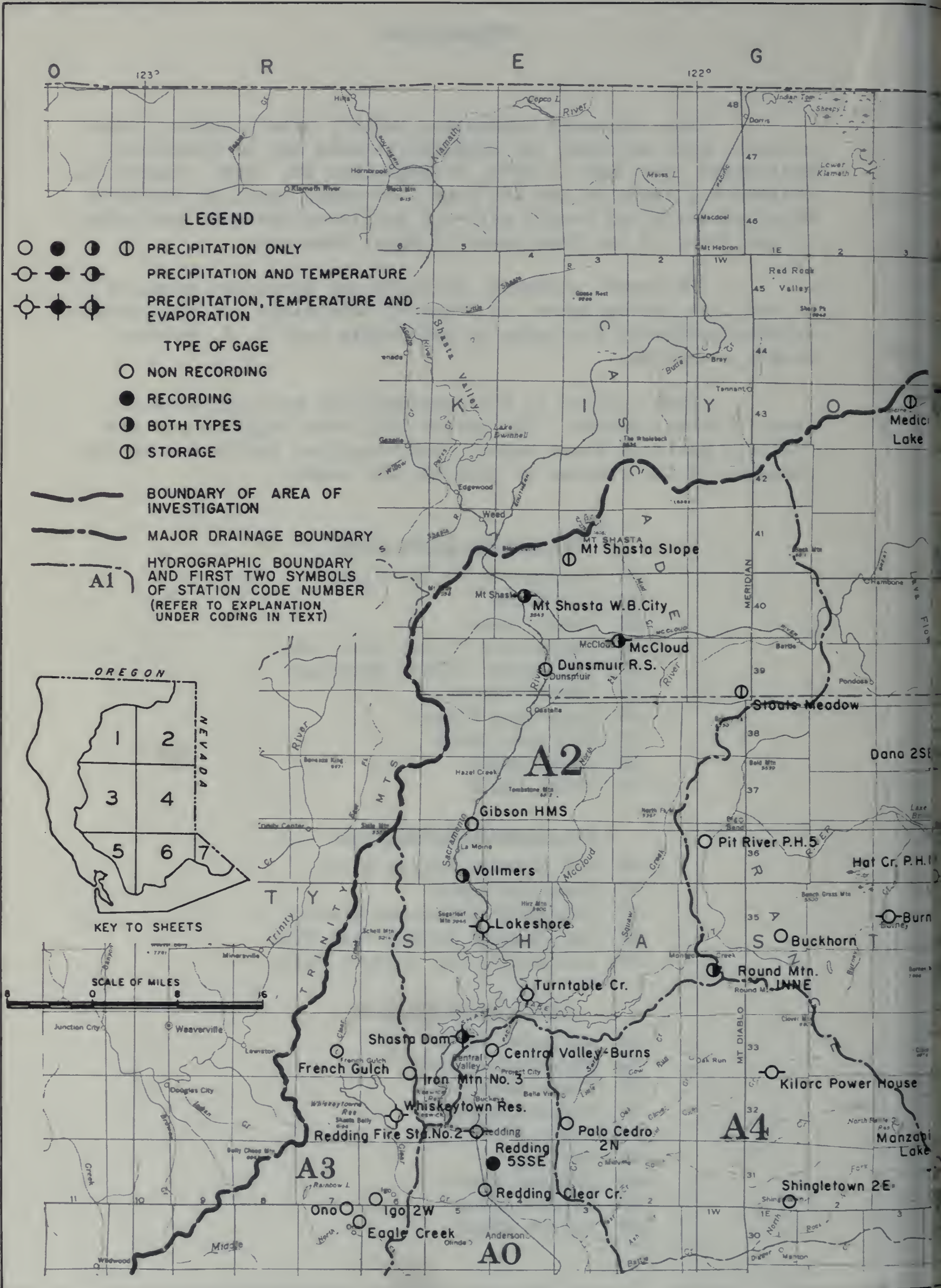
### San Joaquin River Basin

- B0 San Joaquin Valley Floor
- B1 Cosumnes River
- B2 Mokelumne-Calaveras Rivers
- B8 San Joaquin Valley West Side
- B9 Sacramento-San Joaquin Delta

### North Lahontan Area

- G1 Surprise Valley
- G2 Madeline Plains
- G3 Eagle Lake
- G4 Susan River
- G5 Smoke River
- G6 Herlong
- G7 Truckee River
- G8 Carson River
- G9 Walker River





CLIMATOLOGICAL OBSERVATION STATIONS

1967-68





CLIMATOLOGICAL OBSERVATION STATIONS 1967-68





CLIMATOLOGICAL OBSERVATION STATIONS 1967-68





CLIMATOLOGICAL OBSERVATION STATIONS 1967-68

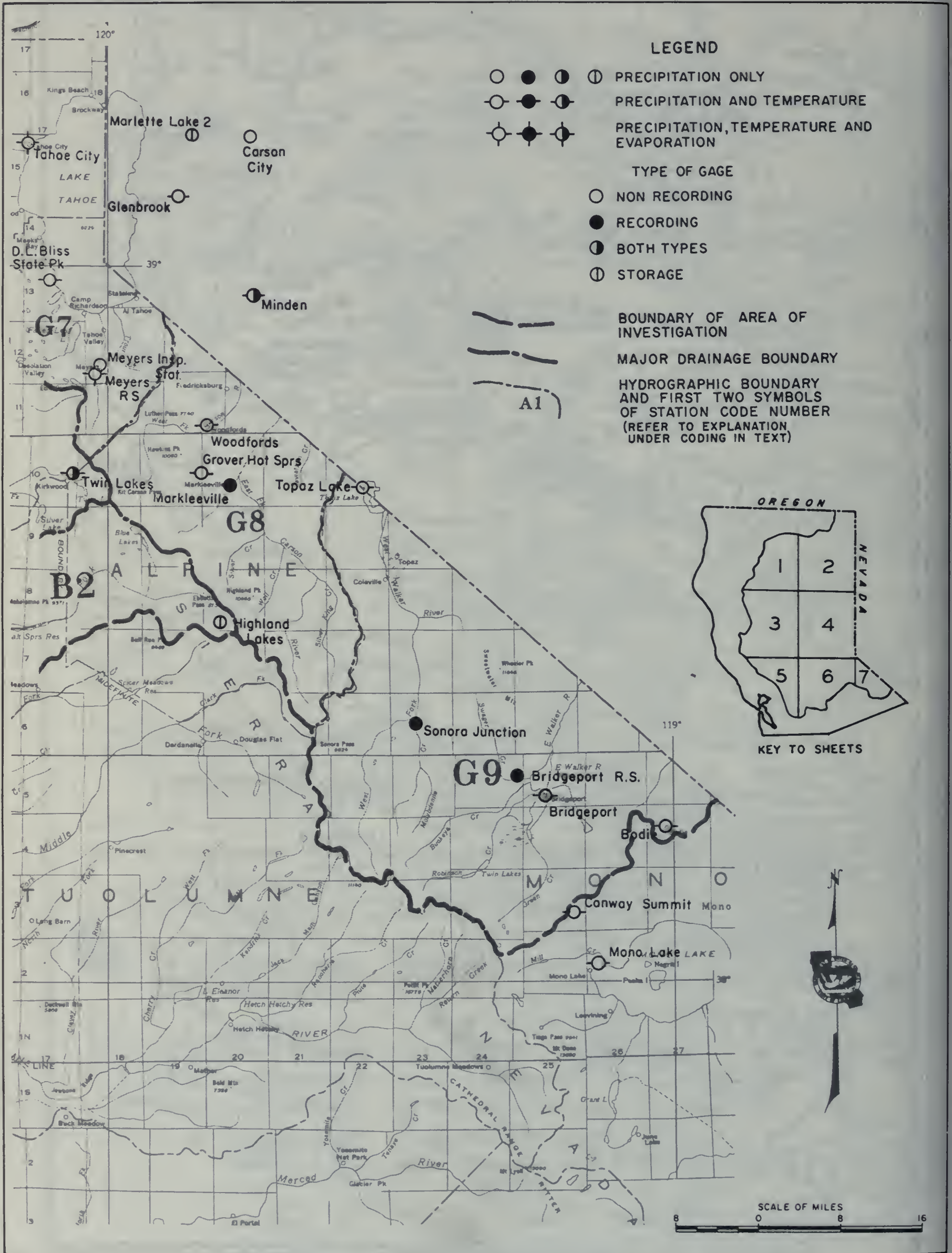












CLIMATOLOGICAL OBSERVATION STATIONS 1967-68

TABLE A-1

INDEX OF CLIMATOLOGICAL STATIONS FOR 1967-68

An explanation of the column headings and the code symbols used in connection with the climatological station listing follows:

40-Acre Tract - This denotes the location of the station within the section in which it is located. The letter code is derived from the diagram to the right.

D	B	C	A
E	F	G	H
M	L	K	J
N	P	Q	R

Base and Meridian - The code for this column is as follows:

M - Mount Diablo Base and Meridian

Cooperator Number - This number is assigned from the following list:

- 000 Private Cooperators
- 003 Pacific Gas and Electric Company
- 408 Contra Costa County Flood Control and Water Conservation District
- 412 East Bay Municipal Utility District
- 419 Tehama County Flood Control and Water Conservation District
- 422 Sacramento County
- 430 Sacramento Municipal Utility District
- 801 Pomology Department, University of California, Davis
- 802 Irrigation Department, University of California, Davis
- 804 California Department of Beaches and Parks
- 805 California Department of Fish and Game
- 806 California Department of Water Resources
- 808 California Division of Forestry
- 809 California Division of Highways
- 900 U. S. Weather Bureau
- 902 U. S. Air Force
- 903 U. S. Corps of Engineers
- 904 U. S. Bureau of Reclamation
- 905 U. S. Forest Service
- 906 U. S. Agricultural Research Service
- 907 State Climatologist (unpublished U. S. Weather Bureau)
- 911 Military Weather Stations in California

Cooperator's Index Number - This is the number assigned to the station by the agency responsible for or handling the records of the station. The U. S. Weather Bureau number is only shown in this column when it differs from the alpha order number.

County - This is a standard code for California counties and adjacent areas as shown below:

Alpine	02	Lake	17	Plumas	32	Stanislaus	50
Amador	03	Lassen	18	Sacramento	34	Sutter	51
Butte	04	Modoc	25	San Joaquin	39	Tehama	52
Calaveras	05	Mono	26	Shasta	45	Yolo	57
Colusa	06	Napa	28	Sierra	46	Yuba	58
El Dorado	09	Nevada	29	Siskiyou	47	State of Oregon	61
Glenn	11	Placer	31	Solano	48	State of Nevada	62



TABLE A-1 (Cont.)  
**INDEX OF CLIMATOLOGICAL STATIONS FOR 1967-68**  
 NORTHEASTERN CALIFORNIA

Station		Elevation (in Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name							O	I	II	O	I	II						
A1 0029	ADIN RANGER STATION	4193	SEC 28	T39N	R09E	D M	41	12	00	120	57	00	900		1894			25	
A1 0029-01	ADIN ELZEA RANCH	4200	SEC 08	T38N	R09E	G M	41	09	03	120	57	30	000		1957	1967		18	
A8 0034	ADOBE CREEK	1530	SEC 05	T12N	R09W	A M	38	55	29	122	52	42	000		1946			17	
A0 0039-34	AEROJET	140	SEC 21	T09N	R07E	B M	38	37	26	121	12	48	000		1962			34	
A3 0093	ALDER SPRINGS	4440	SEC 24	T21N	R08W	C M	39	39	39	122	42	26	903		1966			11	
B8 0146-03	ALTAMONT 4 E	300	SEC 24	T02S	R03E	J M	37	44	37	121	35	16	000		1964			60	
B2 0149	ALTAVILLE CDF	1545	SEC 29	T03N	R13E	H M	38	05	01	120	33	37	808		1960			05	
A1 0156	ALTURAS COPCO	4400	SEC 12	T42N	R12E	B M	41	30	00	120	31	54	000		1948		02	25	
A1 0158	ALTURAS INSPECTION STATION	4410	SEC 33	T43N	R13E	G M	41	31	30	120	28	24	000		1957			25	
A1 0159	ALTURAS 7 ESE	4900	SEC 18	T42N	R14E	N M	41	30	00	120	24	00	000		1960			25	
A1 0161	ALTURAS RANGER STATION	4365	SEC 13	T42N	R12E	M	41	29	00	120	32	00	900		1904		12	25	
B9 0227	ANTIOCH FIBREBOARD MILL	28	SEC 17	T02N	R02E	R M	38	00	47	121	46	13	900		1879			07	
B8 0232	ANTIOCH PUMP PLANT 3	60	SEC 26	T02N	R02E	N M	37	59	02	121	43	39	900		1948			07	
A7 0241	APPLEGATE	2200	SEC 10	T13N	R09E	E M	38	59	36	120	58	09	000		1906			31	
A0 0248-02	ARBUCKLE 5 SSW	360	SEC 29	T13N	R02W	A M	38	57	00	122	06	00	000		1940			06	
A0 0255	ARDEN AND MISSION	87	SEC 31	T09N	R06E	A M	38	35	42	121	21	12	422		1959			34	
A0 0256	ARDEN PARK BAILEY	65	SEC 36	T09N	R05E	Q M	38	34	54	121	22	48	000		1950			34	
A7 0383	AUBURN	1292	SEC 10	T12N	R08E	Q M	38	53	57	121	04	07	900		1870			31	
A3 0468	BALL MOUNTAIN LOOKOUT	6500	SEC 17	T24N	R08W	M	39	56	00	122	47	00	900		1948			52	
A6 0481	BANGOR FIRE STATION	750	SEC 28	T18N	R05E	H M	39	23	25	121	24	28	000		1961			04	
A6 0568	BEAR RIVER HEAD DAM	1950	SEC 22	T15N	R09E	Q M	39	08	01	120	57	11	003		1959			31	
B0 0639	BELLOTA ANDERSON	108	SEC 12	T02N	R08E	D M	38	02	40	121	03	30	000		1959			39	
A9 0705	BERRYESSA LAKE	460	SEC 07	T08N	R03W	J M	38	33	06	122	13	33	900		1957			28	
A1 0731	BIEBER	4130	SEC 23	T38N	R07E	E M	41	07	18	121	08	25	900		1940			18	
A1 0731-05	BIEBER BABCOCK RANCH	4100	SEC 02	T37N	R07E	D M	41	04	45	121	08	22	000		1957			18	
A1 0731-08	BIEBER 4 NW	4190	SEC 05	T38N	R07E	K M	41	09	40	121	11	20	000		1957			18	
A1 0733	BIEBER CARY	4125	SEC 23	T38N	R07E	E M	41	07	48	121	08	36	000		1929			18	
A6 0747	BIG BEND RANGER STATION	5739	SEC 28	T17N	R13E	K M	39	18	24	120	31	00	900	PN1768	1943			31	
A3 0840-11	BLACK BUTTE DAM	425	SEC 32	T23N	R04W	H M	39	48	30	122	19	45	903		1961			52	
A0 0841	BLACK BUTTE RANCH	375	SEC 03	T22N	R04W	M M	39	47	18	122	18	12	000		1953			11	
A1 0867	BLACKS MOUNTAIN	7200	SEC 33	T34N	R07E	M	40	46	00	121	12	00	900		1941		05	18	
A7 0883	BLODGETT EXP FOREST	4414	SEC 08	T12N	R12E	D M	38	54	35	120	40	00	000		1961			09	
A7 0897	BLUE CANYON WB AP	5280	SEC 02	T16N	R11E	P M	39	16	42	120	42	28	900		1940			31	
G7 0931	BOCA	5575	SEC 28	T18N	R17E	D M	39	23	17	120	05	34	900		1870		18	29	
G9 0943	BODLE	8370	SEC 17	T04N	R27E	A M	38	12	45	119	00	45	900		1895		50	26	
A5 1002	BOULDER CREEK GUARD STATION	5020	SEC 15	T27N	R12E	G M	40	11	52	120	36	45	905		1964			32	
A6 1018	BOWMAN DAM	5347	SEC 08	T18N	R12E	D M	39	26	42	120	39	22	900		1871			29	
B9 1043	BRANNAN ISLAND	35	SEC 13	T03N	R02E	A M	38	06	32	121	41	48	900		1962			34	
B9 1059	BRENTWOOD	85	SEC 24	T01N	R02E	R M	37	55	12	121	41	48	000	041059	1879		12	07	
B8 1060	BRENTWOOD 6 SW	325	SEC 32	T01N	R02E	Q M	37	53	00	121	46	28	900		1950			07	
G9 1072	BRIDGEPORT	6470	SEC 33	T05N	R25E	D M	38	15	20	119	13	38	900		1903			26	
G9 1076	BRIDGEPORT RANGER STATION	6560	SEC 23	T05N	R24E	J M	38	16	37	119	17	18	900		1950			26	
G7 1096	BROCKWAY SUMMIT	7200	SEC 03	T16N	R17E	K M	39	16		120	04		903		1961			29	
A8 1112	BROOKS FARNHAM RANCH	294	SEC 35	T11N	R03W	A M	38	45	53	122	09	18	900		1946			57	
A0 1117-58	BROWNS VALLEY 2 NE	435	SEC 11	T16N	R05E	G M	39	15	38	121	22	34	000		1963		03	58	
A5 1130	BRUSH CREEK RANGER STATION	3560	SEC 07	T21N	R06E	H M	39	41	29	121	20	17	900		1935			04	
A7 1133	BRUSHY SPRINGS GUARD STATION	4880	SEC 06	T13N	R13E	M M	39	00	20	120	34	40	000		1951			31	
A1 1147	BUCK CREEK RANGER STATION	5195	SEC 07	T46N	R15E	M	41	52	24	120	17	30	905		1944		14	25	
A1 1149	BUCKHORN	3771	SEC 27	T35N	R01E	M	40	52		121	51		900		1948		03	45	
A5 1159	BUCKS CREEK POWERHOUSE	1760	SEC 29	T24N	R06E	B M	39	54	40	121	19	36	900	PN1153	1928		02	32	
A5 1161	BUCKS LAKE	5200	SEC 33	T24N	R07E	F M	39	53	40	121	12	12	900		1915			32	
A5 1162	BUCKS STORAGE RESERVOIR	5200	SEC 33	T24N	R07E	F M	39	53	40	121	12	12	003		1930	1968		32	
B0 1171	BUENA VISTA	285	SEC 18	T05N	R10E	A M	38	17	34	120	54	46	412		1958			03	
A6 1180	BULLARDS BAR POWERHOUSE	1800	SEC 24	T18N	R07E	E M	39	24	27	121	08	47	900		1941	1968		58	
A1 1214	BURNEY	3127	SEC 20	T35N	R10E	D M	40	53	00	121	40	00	900		1943			45	
A1 1238	BUTTE LAKE	6060	SEC 10	T31N	R06E	P M	40	33	48	121	18	06	900	041237	1960			18	
B2 1277	CALAVERAS BIG TREES	4696	SEC 22	T05N	R15E	C M	38	16	40	120	18	31	900		1929			05	
B0 1325	CAMANCHE DAM	165	SEC 06	T04N	R09E	Q M	38	13	19	121	01	35	412		1965	1968		39	
B0 1325-05	CAMANCHE NORTH STATION	300	SEC 06	T04N	R09E	H M	38	13	45	121	01	05	412		1965			39	
B0 1325-06	CAMANCHE SOUTH STATION	330	SEC 15	T04N	R09E	C M	38	12	13	120	58	20	412		1965			05	
A5 1348	CAMEL PEAK	5560	SEC 32	T22N	R08E	H M	39	43	26	121	05	58	000		1967			32	
A7 1359-01	CAMINO DRIVER	3280	SEC 33	T11N	R12E	N M	38	45	06	120	39	05	000		1947	1967		09	
B2 1428	CAMP PARDEE	658	SEC 35	T05N	R10E	C M	38	15	00	120	50	38	900		1926			05	
A6 1433	CAMP PIONEER SKI SHELTER	5565	SEC 01	T20N	R12E	M	39	38	00	120	34	00	900		1941			46	
A6 1462	CAMPTONVILLE RANGER STATION	2755	SEC 02	T18N	R08E	Q M	39	27	05	121	02	55	900		1907			58	
A1 1475	CANBY 11 SW	4505	SEC 21	T41N	R08E	Q M	41	22	18	121	03	00	900		1958			25	
A1 1476	CANBY RANGER STATION	4312	SEC 30	T42N	R10E	N M	41	27	00	120	52	00	900		1943			25	
A5 1495-04	CANYON CREEK STORE	1610	SEC 32	T21N	R05E	R M	39	37	45	121	25	53	000		1963			04	
A5 1497	CANYON DAM	4555	SEC 28	T27N	R08E	G M	40	10	19	121	05	13	900		1907			32	
A8 1500	CAPAY 4 W	300	SEC 20	T10N	R02W	E M	38	42	18	122	07	00	000		1889			57	



TABLE A-1 (Cont.)  
INDEX OF CLIMATOLOGICAL STATIONS FOR 1967-68

NORTHEASTERN CALIFORNIA

Station		Elevation (In Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name							0	1	11	0	1	11						
A5 1522	CARIBOU POWERHOUSE	2986	SEC 25	T26N	R07E	C	M	40	05	10	121	08	52	900		1921			32
G8 1556-26	CARSON CITY NEVADA	4675	SEC 17	T15N	R02E	M		39	10	00	119	46	00	900	261485	1875	17		62
B8 1583	CASTLE ROCK RADIATION LAB	625	SEC 34	T03S	R04E	M		37	37	54	121	32	00	000		1956			39
G1 1614	CEDARVILLE	4670	SEC 08	T42N	R16E	M		41	31	42	120	10	24	900		1894			25
G1 1614-05	CEDARVILLE HANSEN	4450	SEC 12	T41N	R16E	C	M	41	26	22	120	05	50	000		1957			25
G1 1614-26	CEDARVILLE 12 SE	4800	SEC 04	T41N	R18E	C	M	41	26	48	119	59	18	000		1960			62
B1 1616	CEDARVILLE TREE FARM	2625	SEC 03	T08N	R12E	N	M	38	34	08	120	38	46	000		1960			09
A4 1624	CENTERVILLE POWERHOUSE	522	SEC 05	T22N	R03E	M		39	47	00	121	40	00	900		1914			04
A0 1634-01	CENTRAL VALLEY BURNS	765	SEC 31	T33N	R04W	G	M	40	40	36	122	21	54	000		1957			45
B0 1635-01	CENTRAL VALLEY HATCHERY	38	SEC 36	T07N	R05E	A	M	38	25	00	121	22	00	805		1956			34
G3 1644	CHAMPS FLAT	5590	SEC 27	T33N	R09E	M	M	40	41	42	120	57	30	000		1959			18
A6 1653	CHALLENGE RANGER STATION	2560	SEC 19	T19N	R07E	Q	M	39	29	02	121	13	23	900		1937			58
A5 1693	CHEROKEE	1355	SEC 33	T21N	R04E	H	M	39	38	07	121	31	35	000		1963			04
A5 1700	CHESTER	4525	SEC 08	T28N	R07E	D	M	40	18	21	121	13	38	900		1909			32
A0 1715	CHICO EXPERIMENT STATION	205	SEC 05	T21N	R02E	M		39	42	00	121	47	00	900		1870			04
A0 1716-01	CHICO AIRPORT	220	SEC 34	T23N	R01E	P	M	39	47	54	121	51	12	000		1959			04
A0 1767	CIRCLE T RANCH	205	SEC 08	T07N	R01W	L	M	38	27	54	121	59	48	000		1949			48
A6 1767	CISCO	5830	SEC 33	T17N	R13E	M		39	18		120	32		900		1966			31
A0 1773	CITRUS HEIGHTS	138	SEC 23	T10N	R06E	L	M	38	42	28	121	17	48	900		1952			34
A0 1773-34	CITRUS HEIGHTS FIRE STATION	160	SEC 35	T10N	R06E	H	M	38	40	45	121	17	00	000		1963			34
A0 1782	CLARKS VALLEY MUDD	410	SEC 35	T20N	R05W	E	M	39	32	54	122	23	54	000		1957			11
A5 1783	CLARKS PEAK 1 NE	5910	SEC 10	T27N	R13E	H	M	40	12	50	120	29	34	000		1958			32
B9 1784	CLARKSBURG	14	SEC 34	T07N	R04E	F	M	38	25	00	121	32	00	900		1936			57
B0 1785	CLAY 1 NW	95	SEC 23	T06N	R07E	Q	M	38	21	12	121	10	24	412		1931	02		34
A8 1806	CLEARLAKE HIGHLANDS	1320	SEC 20	T13N	R07W	M		38	58	00	122	39	00	900		1954			17
B0 1813	CLEMENTS	120	SEC 16	T04N	R08E	G	M	38	12	15	121	05	55	412		1926			39
A6 1827	CLIPPER GAP	1675	SEC 19	T13N	R09E	C	M	38	58	09	121	01	10	000		1963			31
A5 1845-32	CLOVER VALLEY	5500	SEC 07	T24N	R14E	R	M	39	56	40	120	27	00	000		1965			32
A8 1880	COBB	2520	SEC 10	T11N	R08W	A	M	38	49	30	122	43	18	000		1923			17
A8 1882	COBB 2 NW	2600	SEC 05	T11N	R08W	M		38	50		122	46		907		1961			17
A4 1891	COHASSET 1 NNE	3180	SEC 14	T24N	R02E	B	M	39	56	42	121	43	12	900		1962			04
A0 1907	COLEMAN FISH HATCHERY	420	SEC 01	T29N	R03W	M		40	24		122	08		900		1943			45
A7 1912	COLFAX	2418	SEC 03	T14N	R09E	A	M	39	05	56	120	57	08	900		1870			31
A7 1912-01	COLFAX FIRE STATION	2350	SEC 02	T14N	R09E	M	M	39	05	25	120	56	48	808		1960			31
A6 1916	COLGATE POWERHOUSE	585	SEC 16	T17N	R07E	J	M	39	19	51	121	11	17	900		1907			58
A7 1922	COLOMA	770	SEC 17	T11N	R10E	M		38	48	04	120	53	30	804		1961			09
A0 1948	COLUSA 1 SSW	60	SEC 30	T16N	R01W	M		39	12	00	122	01	00	900		1948			06
V0 1980	CONWAY SUMMIT	8150	SEC 26	T03N	R25E	J	M	38	05	14	119	10	48	809		1965			26
A7 1985	COOL	1525	SEC 18	T12N	R09E	M		38	53		121	01		900		1959			09
A0 1989-05	COON CREEK EXPERIMENT PLOT	500	SEC 17	T13N	R07E	F	M	38	58	48	121	13	16	802		1958			31
A0 2023-03	CORNING UHL	270	SEC 27	T24N	R03W	M		39	54	01	122	11	42	000		1958			52
A0 2027	CORNING HOUGHTON RANCH	487	SEC 25	T24N	R05W	M		39	54	00	122	22	00	900		1948			52
A0 2070	COTTONWOOD 7 W	475	SEC 10	T29N	R05W	R	M	40	22	36	122	24	30	000		1956			45
A0 2073-34	COUNTRY CLUB CENTRE	56	SEC 25	T09N	R05E	D	M	38	36	28	121	23	19	000		1961			34
A1 2085	COVE RANCH	4900	SEC 18	T47N	R13E	C	M	41	55	18	120	31	12	000		1963			25
G7 2202	CRYSTAL PEAK GUARD STATION	6850	SEC 15	T20N	R17E	C	M	39	35	30	120	04	30	911		1959			46
G7 2202-46	CRYSTAL PEAK	8010	SEC 28	T20N	R17E	G	M	39	33	24	120	05	15	911		1962			46
A8 2224	CUNNINGHAM	1421	SEC 29	T13N	R09W	M		38	57	00	122	53	27	900		1954			17
B1 2252	D'AGOSTINI WINERY	1820	SEC 21	T08N	R11E	L	M	38	31	50	120	46	26	000		1962			03
A4 2266	DALES	600	SEC 03	T28N	R02W	A	M	40	18	48	122	09	12	000		1951	01		52
A1 2269	DANA 2 SE	3320	SEC 31	T38N	R04E	Q	M	41	05	42	121	31		900		1957			45
A0 2274	DAN BEST RANCH	45	SEC 21	T11N	R02E	P	M	38	46	48	121	45	35	000		1941			57
A0 2276	DANTONI ORCHARD	85	SEC 10	T15N	R04E	G	M	39	09	56	121	30	46	240		1958			58
A4 2283	DARRAH FISH HATCHERY	975	SEC 29	T30N	R01W	B	M	40	25	54	121	59	42	805		1956			45
A0 2294	DAVIS 2 WSW	60	SEC 17	T08N	R02E	Q	M	38	32	06	121	46	30	900		1871			57
A0 2294-02	DAVIS STATE NURSERY	29	SEC 07	T08N	R03E	G	M	38	33	17	121	40	48	808		1931	05		57
A0 2294-05	DAVIS UCAP	65	SEC 19	T08N	R02E	A	M	38	31	56	121	47	13	000		1918	1967		57
A1 2296	DAVIS CREEK	4750	SEC 20	T45N	R14E	G	M	41	43	48	120	22	30	900		1957			25
A1 2306	DAY	3650	SEC 15	T39N	R05E	R	M	41	12	54	121	23	18	900		1940			25
A1 2320	DEAD HORSE RESERVOIR 2 SE	5075	SEC 35	T45N	R12E	L	M	41	42	00	120	33	00	000		1959			25
A6 2334	DEER CREEK POWERHOUSE	3700	SEC 35	T17N	R10E	M		39	18	00	120	51	00	900		1907			29
A4 2335	DEER CREEK FLAT	1910	SEC 14	T25N	R01E	J	M	40	01	16	121	49	34	419	PN2335	1960			52
A0 2367	DEL PASO PARK	90	SEC 07	T09N	R06E	J	M	38	40	00	122	24	00	000		1954			34
A4 2402	DE SABLE	2700	SEC 11	T23N	R03E	M		39	52	00	121	37	00	900		1904			04
A0 2414	DEWEY AND WINDING WAY	160	SEC 10	T09N	R06E	G	M	38	38	57	121	18	24	422		1959			34
A4 2416	DEWITT PEAK 2 WSW	1480	SEC 33	T27N	R01W	R	M	40	08	43	121	58	23	419		1960			52
B1 2435-50	DIAMOND SPRINGS	1805	SEC 30	T10N	R11E	M	M	38	41	20	120	48	43	000	PN2431	1959			09
A0 2451-02	DIXON 6 E	32	SEC 14	T07N	R02E	L	M	38	27	00	121	43		000		1949			48
B9 2451-10	DIXON VOICE OF AMERICA	28	SEC 09	T06N	R02E	C	M	38	23	04	121	45	27	000		1962			48
G7 2453	D. L. BLISS STATE PARK	6775	SEC 16	T13N	R17E	B	M	38	58	43	120	06	05	804		1962			



TABLE A-1 (Cont.)  
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Station		Elevation (In Feet)	Section	Township	Range	40-Acre Tract Base & Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name						O	I	II	O	I	II						
A6 2457	DOBBINS F F S	1820	SEC 32	T18N	R07E	D M	39	22	54	121	13	12	808		1957			58
A6 2458	DOBBINS COLGATE	1550	SEC 09	T17N	R07E	Q M	39	20	24	121	11	38	900		1904			58
G2 2460	DODGE RESERVOIR 3 NNE	6400	SEC 11	T36N	R16E	C M	41	00	30	120	07	30	000		1959			18
G7 2467	DONNER MEMORIAL STATE PARK	5937	SEC 17	T17N	R16E	E M	39	19	23	120	13	54	900		1953			29
B2 2493	DOUBLE SPRINGS RANCH	860	SEC 09	T04N	R11E	M M	38	12	48	120	46	25	000		1957			05
A6 2500	DOWNIEVILLE RANGER STATION	2895	SEC 35	T20N	R10E	E M	39	33	31	120	49	48	900		1908			46
G6 2504	DOYLE	4240	SEC 08	T25N	R17E	P M	40	01	42	120	06	12	900		1923			18
G6 2506	DOYLE 5 SSE	4385	SEC 04	T24N	R17E	M	39	57	00	120	05	00	900		1956			18
A6 2513	DRUM FOREBAY	4640	SEC 16	T16N	R11E	M M	39	14	56	120	45	10	003		1915			29
B1 2518	DRYTOWN VAIRA RANCH	740	SEC 22	T07N	R10E	K M	38	26	46	120	51	33	000		1954			03
A0 2543	DUFOUR	65	SEC 34	T11N	R01E	A M	38	45	48	121	50	24	000		1936			57
A0 2568	DUNNIGAN	65	SEC 15	T12N	R01W	M M	38	53	08	121	57	55	900		1877	20		57
A0 2569	DUNNIGAN POWERS RANCH	104	SEC 17	T10N	R10W	J M	38	53	15	121	59	20	000		1930			57
A2 2572	DUNSMUIR RANGER STATION	2420	SEC 13	T39N	R04W	M	41	13	00	122	16	00	900		1889			47
A0 2576-01	DURHAM FIRE STATION	155	SEC 30	T21N	R02E	M M	39	38	36	121	47	54			1963			04
A3 2590	EAGLE CREEK	950	SEC 12	T30N	R07W	D M	40	28	24	122	36	36	000		1963			45
G3 2595-02	EAGLE LAKE NELSON	5121	SEC 07	T32N	R11E	G M	40	39	05	120	46	20	000		1960			18
G1 2599-06	EAGLEVILLE 2 SE	4450	SEC 31	T40N	R17E	K M	41	17	18	120	05	12	000		1963			25
G1 2599-30	EAGLEVILLE 2 S	4450	SEC 36	T40N	R16E	R M	41	17	06	120	05	54	000		1963			25
A3 2640	EAST PARK RESERVOIR	1205	SEC 03	T17N	R06W	M	39	22	00	122	31	00	900		1910			06
A7 2720	EL DORADO F F S	1550	SEC 34	T10N	R10E	E M	38	40	46	120	52	08	808		1955			09
A7 2721	EL DORADO POWERHOUSE	1920	SEC 22	T11N	R12E	A M	38	47	38	120	37	07	003		1936			09
B2 2728	ELECTRA POWERHOUSE	715	SEC 33	T06N	R12E	E M	38	19	52	120	40	10	900		1904			03
B0 2742	ELK GROVE FIRE DEPARTMENT	48	SEC 06	T06N	R06E	C M	38	24	31	121	21	51	422		1962	1968		34
A0 2744	ELKHORN FERRY	40	SEC 34	T10N	R03E	D M	38	40	35	121	37	48	000		1959			57
B0 2760	ELLIOTT	92	SEC 34	T05N	R07E	Q M	38	14	11	121	11	38	900		1926			39
A5 2838-04	ENTERPRISE OWID	920	SEC 01	T19N	R05E	M M	39	31	53	121	22	04	000		1965			04
B0 2860	ESCALON SWANSON	125	SEC 03	T02S	R09E	L M	37	47	20	121	58	15	000		1944			39
A0 2881-08	ESPARTO DESERET FARMS	250	SEC 07	T09N	R01W	F M	38	38	43	122	01	20	000		1951			57
A0 2948	FAIR OAKS	180	SEC 13	T09N	R06E	C M	38	38	32	121	16	14	000		1954			34
A1 2964	FALL RIVER MILLS INT	3340	SEC 25	T37N	R04E	N M	41	01	00	121	28	00	900		1923			45
A5 2994	FEATHER FALLS	2965	SEC 13	T20N	R06E	E M	39	35	36	121	15	31	900		1938			04
A0 3020	FERGUSON RANCH	800	SEC 20	T29N	R05W	M	40	21	00	122	27	00	900		1951			52
B1 3030	FIDDLETOWN LYNCH RANCH	2140	SEC 19	T08N	R12E	P M	38	31	33	120	42	01	900		1937			03
A8 3055	FINLEY 1 NNE	1340	SEC 33	T14N	R09W	M	39	01	00	122	52	00	000		1954			17
A8 3056	FINLEY 1 SSE	1377	SEC 08	T13N	R09W	R M	38	58	58	122	52	30	000		1957			17
A8 3057	FINLEY 5 SW	1750	SEC 23	T13N	R10W	M M	38	57	33	122	56	48	000		1957			17
G4 3087	FLEMING FISH AND GAME	4000	SEC 21	T29N	R15E	N M	40	21	10	120	18	12	900		1958			18
A3 3092	FLOOD RANCH	595	SEC 02	T22N	R06W	R M	39	47	18	122	30	00	000		1940			11
A3 3098	FLOURNOY 8 NW	965	SEC 04	T24N	R06W	C M	39	58	12	122	33	00	000		1953			52
A7 3113	FOLSOM DAM	350	SEC 24	T10N	R07E	F M	38	42	25	121	09	40	900		1955			34
A5 3127	FORBESTOWN	2900	SEC 03	T19N	R06E	Q M	39	31	43	121	16	52	000		1919			04
A5 3128-04	FOREMAN CREEK	935	SEC 18	T20N	R05E	R M	39	35	13	121	26	52	000		1965			04
A7 3134	FORESTHILL RANGER STATION	3190	SEC 35	T14N	R10E	C M	39	01	14	120	49	27	900		1937			31
A4 3135-25	FOREST RANCH	2520	SEC 05	T23N	R03E	M	39	53	06	121	39	48	000		1955			04
A7 3153	FORNI RIDGE	7600	SEC 16	T11N	R16E	M	38	48		120	13		814		1966			09
G1 3157	FORT BIDWELL	4498	SEC 17	T46N	R16E	M	41	51	00	120	08	00	900		1866	21		25
A3 3210-03	FOUTS SPRINGS BOYS RANCH	1700	SEC 05	T17N	R07W	K M	39	21	06	122	39	54	000		1963			06
A6 3240	FRENCH CORRAL	1522	SEC 26	T17N	R07E	F M	39	18	25	121	09	42	000		1961			29
A3 3242	FRENCH GULCH	1100	SEC 22	T33N	R07W	M	40	42	00	122	38	00	900		1952			45
A5 3244-32	FRENCHMAN DAM	5610	SEC 33	T24N	R16E	B M	39	53	43	120	11	23	000		1964			32
A7 3252-09	FRESH POND	3760	SEC 33	T11N	R13E	C M	38	45	42	120	32	07	440		1962	01		09
A0 3266-11	FRUITRIDGE AND HEDGE	50	SEC 30	T08N	R06E	C M	38	31	22	121	21	43	422		1959			34
A0 3267-02	FRUTO 2	610	SEC 17	T20N	R05W	L M	39	35	18	122	27	06	000		1960			11
B0 3301	GALT	47	SEC 27	T05N	R06E	J M	38	15	13	121	18	11	000		1877			34
B0 3301-01	GALT WATER DISTRICT	47	SEC 27	T05N	R06E	J M	38	15	10	121	18	08	412		1959	1967		34
A7 3338	GARDEN VALLEY 2 S	1940	SEC 03	T11N	R10E	G M	38	50	02	120	50	40	900		1946			09
A7 3381	GEORGETOWN	2720	SEC 11	T12N	R10E	D M	38	54	33	120	50	05	900		1872	1967		09
A7 3384	GEORGETOWN RANGER STATION	3001	SEC 06	T12N	R11E	B M	38	55	29	120	47	18	900		1946			09
A7 3388	GERLE CREEK CAMP	5400	SEC 11	T13N	R14E	L M	38	59	06	120	22	45	000		1945			09
A2 3405	GIBSON H M S	1435	SEC 02	T36N	R05W	K M	41	00	36	122	24	24	809		1959			45
G7 3439-26	GLENBROOK NEVADA	6400	SEC 10	T14N	R18E	M	39	05	00	119	56	00	900	263205	1944			62
A0 3460	GLENN COLUSA HEADGATE	160	SEC 02	T22N	R02W	H M	39	47	18	122	03	00	000		1955			11
A7 3491	GOLD RUN	3240	SEC 04	T15N	R10E	M	39	10	00	120	52	00	900		1899			31
B9 3541	GRAND ISLAND R. D. 3	0	SEC 14	T04N	R03E	E M	38	11	37	121	36	55	000		1938			34
A5 3549-32	GRANITE SPRING	5765	SEC 13	T26N	R14E	J M	40	06	23	120	20	34	000		1965			32
A6 3573	GRASS VALLEY NO. 2	2400	SEC 34	T16N	R08E	F M	39	12	31	121	04	05	900		1966			29
A5 3621	GREENVILLE RANGER STATION	3560	SEC 02	T26N	R09E	L M	40	08	26	120	56	25	900		1894	30		32
A0 3640	GRIDLEY BUTTE W. D.	90	SEC 36	T18N	R02E	K M	39	22	00	121	41	42	000		1923			04
A0 3640-01	GRIDLEY F F S	93	SEC 19	T18N	R03E	M M	39	23	52	121	41	11	808		1941	1968		04



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Number	Name							O	I	II	O	I	II						
G8 3675	GROVER HOT SPRINGS	5800	SEC 19	T10N	R20E	L M	38	41	45	119	49	28	804		1962			02	
A5 3725	HAMILTON BRANCH POWERHOUSE	4560	SEC 21	T28N	R08E	K M	40	16	07	121	05	12	900		1953			32	
A0 3729-48	HAMILTON RANCH	150	SEC 25	T04N	R01E	R M	38	09	30	121	48	22	000		1961			48	
A0 3740	HAMMONTON	131	SEC 32	T16N	R05E	R M	39	11	35	121	25	41	000		1910			58	
A3 3791	HARRISON GULCH RANGER STN	2710	SEC 14	T29N	R10W	M	40	22	00	122	58	00	900		1941			45	
A6 3800	H. L. ENGLEBRIGHT DAM	580	SEC 14	T16N	R06E	Q M	39	14	23	121	15	58	900	PN9182	1951			29	
A1 3821	HAT CREEK RANGER STATION	3348	SEC 15	T34N	R04E	M	40	48	00	121	30	00	900		1940			45	
A1 3824	HAT CREEK POWERHOUSE NO. 1	3015	SEC 32	T36N	R04E	M	40	56	00	121	33	00	900		1921			45	
A7 3891	HELL HOLE	4850	SEC 16	T14N	R14E	P M	39	03	31	120	24	52	900		1966			31	
B0 3919	HERALD FIRE STATION	70	SEC 08	T05N	R07E	M M	38	17	46	121	14	34	422		1962			34	
G6 3922	HERLONG S O D	4083	SEC 31	T27N	R17E	K M	40	09		120	06		911		1951			18	
A6 3946	HIDDEN VALLEY RANCH	1480	SEC 33	T14N	R08E	B M	39	01	30	121	05	48	900		1952			29	
B2 3952	HIGHLAND LAKES	8700	SEC 32	T08N	R20E	Q M	38	29	48	119	47	48	000	003954	1960			02	
A8 3964	HIGH VALLEY MITCHELL	1785	SEC 23	T14N	R08W	J M	39	02	47	122	42	28	000		1958			17	
A8 4010	HOBERGS	2960	SEC 35	T12N	R08W	M	38	51	00	122	43	00	900		1930			17	
B2 4018	HOGAN DAM	554	SEC 36	T04N	R10E	R M	38	09	03	120	49	10	000		1951			05	
A4 4019	HOGBACK ROAD	1320	SEC 05	T27N	R01W	F M	40	13	27	122	00	03	419		1960			52	
B9 4041	HOLT 2 ESE			T01N	R05E	M	37	55	42	121	23	30	000		1959			39	
A0 4075	HONCUT	113	SEC 16	T17N	R04E	K M	39	19	40	121	31	36	000		1963			04	
A8 4097	HOPLAND 8 NE	2510	SEC 32	T14N	R10W	M	39	01	00	123	00	00	900		1939			17	
A0 4166	HUNTER DISTRICT GRAVES	770	SEC 16	T27N	R06W	Q M	40	11	12	122	33	00	900		1959			52	
B0 4183	HUNT RANCH	190	SEC 31	T03N	R10E	M M	38	04	06	120	55	25	000		1933		14	50	
A3 4219	IGO 2 W	1090	SEC 32	T31N	R06W	C M	40	30	05	122	34	12	000		1956			45	
G7 4233	INDEPENDENCE LAKE	7000	SEC 34	T19N	R15E	M	39	27		120	18		900		1966			46	
A6 4248-50	INDIAN ROCK	2240	SEC 10	T18N	R07E	B M	39	26	14	120	10	25	000		1954			58	
B0 4283	IONE	284	SEC 25	T06N	R09E	F M	38	20	53	120	56	19	900		1878		04	03	
B0 4283-01	IONE 2 NW	263	SEC 14	T06N	R09E	N M	38	22	08	120	57	37	000		1949			03	
A7 4288	IOWA HILL	2840	SEC 33	T15N	R10E	E M	39	06	22	120	51	37	900		1879		32	31	
A2 4296-03	IRON MOUNTAIN NO. 3														1968			45	
B2 4321	JACKSON 1 NW	1550	SEC 20	T06N	R11E	F M	38	21	38	120	47	23	000		1951			03	
A7 4345-09	JAY BIRD POWERHOUSE	3000	SEC 04	T11N	R13E	C M	38	50	02	120	31	50	440		1962			09	
A0 4346	JELLY	355	SEC 33	T29N	R03W	B M	40	19	48	122	12	12	000		1958			52	
B0 4352	JENNY LIND 3 SW	235	SEC 31	T03N	R10E	A M	38	04	32	120	54	40	000		1960			05	
A1 4374	JESS VALLEY	5290	SEC 06	T39N	R15E	C M	41	13	30	120	19	30	900		1929			25	
A0 4390	JOHNS SCHOOL	60	SEC 22	T13N	R01W	N M	38	57	24	121	58	12	000		1949			06	
A0 4440-50	KAHI RADIO STATION	1420	SEC 33	T13N	R08E	J M	38	55	58	121	05	25	000		1962			31	
A0 4449	KARNAK	23	SEC 20	T11N	R03E	H M	38	47	12	121	39	18	000		1940			51	
A8 4488	KELSEYVILLE	1385	SEC 14	T13N	R09W	M	38	58	33	122	49	53	900		1931			17	
A8 4491-01	KELSEYVILLE 2 N	1345	SEC 02	T13N	R09W	M	39	00	06	122	50	06	801		1935			17	
B8 4508	KERLINGER	172	SEC 16	T03S	R05E	E M	37	40	35	121	25	59	900		1947			39	
A4 4544	KILARC POWERHOUSE	2650	SEC 33	T33N	R01E	D M	41	00	36	121	52	18	900		1933			45	
A0 4574	KIRKVILLE	35	SEC 12	T12N	R01E	B M	38	54	30	121	48	18	000		1953			51	
B0 4575	KJOY RADIO	18	SEC 11	T01N	R06E	D M	37	57	14	121	17	20	900		1964	1968		39	
A0 4604-31	KPOP RADIO	230	SEC 09	T10N	R07E	M	38	44		121	13		000		1968			31	
A7 4616	KYBURZ STRAWBERRY	5700	SEC 18	T11N	R17E	P M	38	47	43	120	08	44	900		1941			09	
A0 4638	LA FINCA ORCHARD	70	SEC 10	T16N	R03E	R M	39	14	58	121	36	52	000		1931			58	
A8 4701	LAKEPORT	1343	SEC 24	T14N	R10W	M	39	02		122	55		900		1901			17	
A8 4702	LAKEPORT 3 W	1475	SEC 22	T14N	R10W	L M	39	02	48	122	57	48	000		1932			17	
A8 4703	LAKEPORT USSCS	1356	SEC 24	T14N	R10W	M	39	02	00	122	55	00	000		1956			17	
A2 4709	LAKESHORE	1075	SEC 24	T35N	R05W	M	40	53	00	122	23	00	900		1946			45	
A0 4712	LAKE SOLANO	180	SEC 32	T08N	R01W	N M	38	29	32	122	30	10	900		1960			57	
A6 4713	LAKE SPAULDING	5156	SEC 21	T17N	R12E	N M	39	19	07	120	38	14	900		1894			29	
A6 4714	LAKE SPAULDING DAM	5120	SEC 21	T17N	R12E	E M	39	19	32	120	38	28	900		1948			29	
A5 4722	LAKE WILENOR	2040	SEC 15	T22N	R04E	E M	39	45	47	121	31	18	000	044722	1931			04	
A0 4730	LAMB VALLEY	365	SEC 34	T10N	R02W	C M	38	40	34	122	04	19	000		1925		07	57	
A5 4773	LA PORTE	4975	SEC 16	T21N	R09E	E M	39	40	56	120	58	58	900		1894		14	32	
A5 4812	LAS PLUMAS	506	SEC 14	T21N	R04E	J M	39	40	32	121	29	13	900		1914	1967		04	
G4 4814-20	LASSEN CONSERVATION CENTER	4100	SEC 04	T29N	R13E	H M	40	24	06	120	30	48			1963			18	
A1 4815	LASSEN CREEK UPPER	6775	SEC 21	T45N	R15E	R M	41	45		120	14	42	000		1958			25	
A8 4880	LEESVILLE KEEGAN RANCH	1330	SEC 17	T15N	R05W	C M	39	09	11	122	26	12	900		1950			06	
B1 4886	LEHMAN RANCH	600	SEC 32	T09N	R09E	F M	38	35	31	121	00	43	900		1951			09	
A5 4932	LIGHTS CREEK	5320	SEC 02	T27N	R11E	F M	40	13	48	120	42	30	000		1959			32	
A1 4940-35	LIKELY VANCE	4400	SEC 08	T39N	R13E	K M	41	13	12	120	30	10	000		1962			25	
A0 4947	LINCOLN AUSTIN	160	SEC 15	T12N	R06E	F M	38	53	33	121	17	41	000		1946			31	
A0 4947-06	LINCOLN 4 NE	285	SEC 36	T13N	R06E	J M	38	55	50	121	14	50	000		1962			31	
B0 4953-02	LINDEN FIRE STATION	89	SEC 15	T02N	R08E	K M	38	01	19	121	04	55	000		1948			39	
B0 4960	LINN RANCH	120	SEC 04	T03N	R08E	Q M	38	07	58	121	06	08	000		1948			39	
A5 4977	LITTLE LAST CHANCE VALLEY	5730	SEC 05	T24N	R16E	M M	39	57	40	120	13	00	000		1959			32	
A1 4988	LITTLE VALLEY	4185	SEC 15	T35N	R07E	Q M	40	53	30	121	10	30	900		1958			18	
A0 4990-02	LIVE OAK 6 SSW	70	SEC 35	T16N	R02E	C M	39	12	07	121	43	02	000		1958			51	



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NORTHEASTERN CALIFORNIA

Station		Elevation (In Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name							O	I	II	O	I	II						
A0 4990-04	LIVE OAK 2 SE	75	SEC 09	T16N	R03E	L	M	39	15	13	121	38	40	000		1965		51	
B0 5010	LOCKEFORD	106	SEC 30	T04N	R08E	N	M	38	09	45	121	08	55	000		1926		39	
B0 5012	LOCKEFORD 5 ESE	190	SEC 02	T03N	R08E	B	M	38	08	52	121	04	01	000		1937		39	
B0 5032	LODI	38	SEC 11	T03N	R06E	P	M	38	06	59	121	17	20	900		1887		39	
B0 5032-04	LODI S P	50	SEC 01	T03N	R06E	L	M	38	08	05	121	16	13	000		1959	1968	39	
B0 5032-07	LODI 3 W	31	SEC 04	T03N	R06E	N	M	38	07	51	121	19	43	412		1955		39	
B0 5032-09	LODI THOMPSON RANCH	35	SEC 21	T04N	R06E	P	M	38	10	32	121	19	42	412		1965		39	
A3 5043	LOG SPRING	5050	SEC 29	T23N	R08W	D	M	39	49	36	122	47	29	903		1964		52	
B1 5044	LOGTOWN RIDGE	1720	SEC 23	T09N	R10E	L	M	38	37	02	120	50	47	900		1965		09	
A0 5060-01	LOMA RICA	375	SEC 28	T17N	R05E	B	M	39	18	27	121	24	56	000		1963		58	
B8 5074	LONE TREE CANYON	330	SEC 35	T03S	R05E	E	M	37	37	54	121	23	47	900		1933		39	
A1 5081-01	LONG BELL STATION	4375	SEC 20	T42N	R05E	B	M	41	28	00	121	25	00	000		1958		25	
A7 5087	LONG VALLEY ORCHARD	870	SEC 32	T12N	R08E	G	M	38	51		121	05		000		1955		31	
A8 5087-17	LONG VALLEY GARNER RANCH	1318	SEC 06	T14N	R07W	F	M	39	05	36	122	40	42	000		1956		17	
G6 5088	LONG VALLEY INSPECTION STN	5060	SEC 18	T21N	R18E	E	M	39	41	12	120	00	42	900		1958	1968	46	
A1 5093	LOOKOUT 3 WSW	4180	SEC 30	T39N	R07E		M	41	12		121	12		900		1963		25	
A1 5095	LOOKOUT SHAW	4500	SEC 34	T41N	R07E	G	M	41	21	00	121	08	42	000		1959		25	
A0 5096	LOOMIS	400	SEC 09	T11N	R07E	G	M	38	49	06	121	11	42	000		1959		31	
A0 5097-01	LOOMIS NO. 2			T11N	R07E		M											31	
A0 5097-31	LOOMIS 3 ENE	680	SEC 01	T11N	R07E	H	M	38	50	02	121	08	07	000		1964		31	
A0 5132	LOS MOLINOS 3 N	245	SEC 33	T26N	R02W	F	M	40	03	48	122	06		000		1954		52	
A0 5134	LOS MOLINOS 6 N	255	SEC 16	T26N	R02W		M	40	06		122	06				1966		52	
A8 5161-01	LOWER LAKE	1355	SEC 02	T12N	R07W	N	M	38	54	48	122	36	29	000		1958		17	
G7 5163	LOWER MEADOW	5760	SEC 25	T20N	R17E	A	M	39	33	42	120	01	54	911		1957		46	
A5 5171	LOYALTON	4936	SEC 13	T21N	R15E	A	M	39	40	40	120	14	36	900		1940		07 46	
A5 5171-05	LOYALTON NO. 2	4940	SEC 13	T21N	R15E		M	39	40	36	120	14	50	000		1964		46	
B1 5189	LUMBERYARD	6480	SEC 15	T08N	R15E	F	M	38	32	55	120	18	24	000		1967		09	
A0 5223	M AND T RANCH	145	SEC 05	T21N	R01E	D	M	39	42	30	121	53	48	000		1938		03 04	
G2 5231	MADELINE HMS	5231	SEC 10	T37N	R13E	M	M	41	03	20	120	28	18	900		1957		18	
A8 5258	MAHNKE	2380	SEC 30	T12N	R08W		M	38	51	00	122	47	00	900		1954		17	
B0 5303	MANTECA	40	SEC 04	T02S	R07E	H	M	37	47	32	121	12	01	900		1964		39	
A4 5299-02	MANTON 6 E	3250	SEC 28	T30N	R02E	B	M	40	26	12	121	46	00	000		1958		52	
A4 5311	MANZANITA LAKE	5850	SEC 18	T31N	R04E		M	40	32	00	121	34	00	900		1941		45	
A0 5311-10	MANZANITA FIRE STATION	87	SEC 07	T17N	R03E	N	M	39	20	04	121	40	57	000		1963		51	
G8 5356	MARKLEEVILLE	5546	SEC 21	T10N	R20E	Q	M	38	41	33	119	46	57	900		1909		02	
B0 5368	MARSHALL RANCH	59	SEC 16	T03N	R07E	P	M	38	06	11	121	12	56	412		1925		01 39	
A0 5385	MARYSVILLE	60	SEC 13	T15N	R03E	K	M	39	08	46	121	35	04	900		1871		58	
A0 5403	MATHER A F B	90	SEC 11	T08N	R06E		M	38	34	00	121	18	00	902		1944		01 34	
A0 5409-01	MAXWELL	91	SEC 33	T17N	R03W	R	M	39	16	36	122	11	12	000		1920		06	
A1 5430-01	MCARTHUR HMS	3300	SEC 01	T37N	R05E	J	M	41	04	24	121	19	48	809		1957	1968	45	
A4 5444	MCCARTHY POINT	3800	SEC 19	T27N	R03E		M	40	11	00	121	41	00	900		1945		52	
A0 5447	MC CLELLAN A F B	70	SEC 01	T09N	R05E	N	M	38	39	39	121	23	28	902		1939		34	
A2 5449	MC CLOUD	3300	SEC 01	T39N	R03W		M	41	16	00	122	08	00	900		1909		47	
A1 5505	MEDICINE LAKE	6725	SEC 10	T43N	R03E	C	M	41	35	00	121	37	00	900		1946		47	
B8 5508	MEGANOS PUMP STATION	172	SEC 08	T01S	R03E	H	M	37	51	28	121	40	22	000		1927	1968	07	
G7 5572	MEYERS INSPECTION STATION	6342	SEC 29	T12N	R18E	P	M	38	51	15	120	01	01	900		1955		09	
G7 5573	MEYERS RANGER STATION	6342	SEC 29	T12N	R18E	P	M	38	51	16	120	00	57	905		1962		09	
A7 5586	MICHIGAN BLUFF	3650	SEC 21	T14N	R11E	J	M	39	02	39	120	44	27	900		1940		31	
A9 5598	MIDDLETOWN	1122	SEC 03	T10N	R07W		M	38	44	53	122	37	05	900		1938		17	
A9 5599	MIDDLETOWN 4 WSW	1785	SEC 06	T10N	R07W	Q	M	38	44	14	122	40	30	000		1952		17	
G6 5621	MILFORD	4140	SEC 26	T27N	R14E	A	M	40	10	30	120	21	48	000		1957		18	
G6 5623	MILFORD LAUFMAN RANGER STN	4860	SEC 01	T26N	R14E	F	M	40	08	00	120	21	00	900		1940		18	
A0 5640	MILLS ORCHARD	240	SEC 26	T22N	R02W	F	M	39	44	18	122	02	30	806		1929		11	
B0 5673-02	MILTON	415	SEC 11	T02N	R10E	N	M	38	02	08	120	51	00	000		1948		05	
G8 5678-26	MINDEN NEVADA	4700	SEC 32	T13N	R20E		M	38	57	00	119	46	00	900	265191	1905		62	
A4 5679	MINERAL	4910	SEC 25	T29N	R03E		M	40	21	00	121	36	00	900		1909		52	
G7 5720	MITCHELL CANYON	6030	SEC 30	T20N	R18E	C	M	39	34	34	120	01	04	911		1958		46	
A5 5752	MOHAWK RANGER STATION	4370	SEC 09	T22N	R12E	G	M	39	47	12	120	37	58	905		1957		32	
B2 5763	MOKELUMNE HILL	1480	SEC 07	T05N	R12E	M	M	38	18	06	120	42	00	907	045763	1882		05	
B2 5763-05	MOKELUMNE HILL 5 E	1920	SEC 11	T05N	R12E	R	M	38	17	45	120	36	55	000		1964		05	
V0 5779	MONO LAKE	6450	SEC 30	T02N	R26E	C	M	38	00	29	119	09	05	900		1944		26	
A0 5805	MONTZUMA HILLS	20	SEC 30	T03N	R02E	E	M	38	04	34	121	48	15	000		1923		48	
A3 5810	MONTGOMERY PLACE	870	SEC 19	T26N	R06W	R	M	40	05	05	122	34	35	000		1961		52	
A9 5818	MONTICELLO DAM	505	SEC 29	T08N	R02W	N	M	38	30	18	122	06	57	900		1957		28	
A8 5858-01	MORGAN VALLEY STANLEY	2415	SEC 13	T12N	R06W	L	M	38	53	10	122	28	30	000		1960		17	
B2 5892-05	MOUNTAIN RANCH 2 NW	2200	SEC 32	T05N	R13E	L	M	38	14	27	120	34	03	000		1965		05	
A7 5909	MOUNT DANAHAR	3408	SEC 05	T10N	R12E	R	M	38	44	38	120	40	00	900		1943		09	
A5 5956	MT HOUGH SNOWCOURSE	6760	SEC 08	T25N	R10E	J	M	40	02	29	120	52	43	000		1964		32	
G7 5975-26	MT ROSE XMAS TREE	7360		T17N	R19E		M	39	20		119	53		900				62	
A2 5982	MT SHASTA SLOPE	7500	SEC 30	T41N	R03W	Q	M	41	22	00	122	16	00	900		1947		47	



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NORTHEASTERN CALIFORNIA

Station		Elevation (In Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name							O	I	II	O	I	II						
A2 5985	MT SHASTA WBO CITY	3540		T40N	R04W	M	41	19		122	19		900		1948			47	
B2 6039-03	MURPHYS 2 N	1880	SEC 30	T04N	R14E	Q	M	38	09	56	120	28	12	000		1957		05	
A0 6092	NATOMAS FIRE STATION 2	17	SEC 35	T10N	R03E	C	M	38	41	07	121	37	26	422		1962		34	
A0 6130	NELSON WESTERN CAMP	120	SEC 31	T20N	R02E	A	M	39	33	00	121	47	00	003		1917	06	04	
A6 6136	NEVADA CITY	2520	SEC 07	T16N	R09E	P	M	39	15	30	121	00	38	900		1863		29	
A6 6136-29	NEVADA CITY RANGER STATION	2710	SEC 13	T16N	R08E	L	M	39	14	54	121	01	42	808				29	
A0 6154	NEWCASTLE FOWLER	250	SEC 17	T12N	R07E	F	M	38	53	31	121	13	12	000		1948		31	
A0 6157	NEW ENGLAND ORCHARD	50	SEC 13	T14N	R03E	L	M	39	03	42	121	35	19	000		1959		51	
A1 6173-35	NEW PINE CREEK OREGON	4880	SEC 24	T41S	R20E	W		42	00	00	120	18	00	000		1960		61	
A0 6194	NICOLAUS NO. 2	43	SEC 05	T12N	R04E	A	M	38	55	27	121	32	37	900		1959		51	
A3 6212	NOEL SPRING	5000	SEC 05	T19N	R07W	B	M	39	32	16	122	40	03	903		1964		11	
A0 6216	NORD	180	SEC 31	T23N	R01E	G	M	39	48	18	121	54	24	000		1944	14	04	
A6 6232	NORTH BLOOMFIELD	3280	SEC 06	T17N	R10E	F	M	39	22	05	120	53	54	000		1870	19	29	
A0 6271	NORTH SACRAMENTO	26	SEC 04	T09N	R05E	M	M	38	38	48	121	28	30	000		1955		34	
A6 6274	NORTH SAN JUAN	2081	SEC 05	T17N	R08E	B	M	39	22	15	121	06	04	000		1897	48	29	
A6 6275	NORTH SAN JUAN 4 NE	1815	SEC 22	T18N	R08E	B	M	39	25	11	121	03	52	000		1954		58	
A1 6415	OLD STATION	4380	SEC 33	T33N	R05E	M	M	40	40	30	121	25	54	000		1960		45	
A5 6452	ONION VALLEY	6530	SEC 05	T22N	R10E	G	M	39	48	00	120	53	06	000		1959		32	
A3 6455	ONO	980	SEC 02	T30N	R07W	M		40	29	00	122	37	00	900		1951		45	
A0 6481	ORANGEVALE	235	SEC 28	T10N	R07E	G	M	38	41	35	121	12	52	000		1958		34	
A0 6505	ORLAND FRENCH RANCH	312	SEC 05	T20N	R04W	K	M	39	37	00	122	19	42	000		1959		11	
A0 6506	ORLAND	254	SEC 21	T22N	R03W	M		39	45	00	122	12	00	900		1883		11	
A6 6519	OREGON HOUSE 2 N	1475	SEC 26	T18N	R06E	H	M	39	23	25	121	15	36	000		1958		58	
A0 6521	OROVILLE	171	SEC 18	T19N	R04E	H	M	39	30	22	121	33	31	900		1953		04	
A0 6525	OROVILLE BRIDGE	165	SEC 18	T19N	R04E	F	M	39	30	27	121	34	02	900		1908		04	
A5 6527	OROVILLE DAM	845	SEC 01	T19N	R04E	N	M	39	31	40	121	28	46	000		1959		04	
A0 6528	OROVILLE RANGER STATION	300	SEC 07	T19N	R04E	C	M	39	31	32	121	34	02	900		1940		04	
B0 6551-05	OSPITAL RANCH	280	SEC 11	T03N	R09E	R	M	38	07	19	121	56	42	903		1965		05	
G6 6562	OTIS CANYON	4075	SEC 03	T26N	R15E	F	M	40	08	24	120	16	42	000		1959		18	
A7 6597	PACIFIC HOUSE	3440	SEC 34	T11N	R13E	M		38	45	00	120	30	00	900		1941		09	
A0 6620	PALERMO	156	SEC 08	T18N	R04E	C	M	39	26	09	121	32	55	907		1891		04	
A4 6647-05	PALO CEDRO 2 N	500	SEC 29	T32N	R03W	P	M	40	35	36	122	13	54	000		1963		45	
A4 6685	PARADISE	1780	SEC 15	T22N	R03E	R	M	39	46		121	38		900		1925		04	
A5 6697-04	PARISH CAMP	950	SEC 18	T21N	R04E	H	M	39	40	39	121	33	49	000		1965		04	
A0 6726	PASKENTA RANGER STATION	755	SEC 04	T23N	R06W	M		39	53	00	122	32	00	900		1938		52	
A1 6750	PATTERSON MEADOW	7000	SEC 29	T39N	R16E	M		41	11	00	120	12	00	000		1958		25	
A4 6761	PAYNES CREEK	1850	SEC 25	T29N	R01W	M		40	20	00	121	54	00	900		1951		52	
A7 6773-09	PEAVINE RIDGE	5175	SEC 17	T11N	R14E	L	M	38	47	55	120	26	00	440		1962		09	
A1 6803	PEPPERDINES CAMP	6650	SEC 28	T42N	R15E	F	M	41	26	30	120	14	00	000		1958		25	
A0 6849-11	PHELAN PARROTT RANCH	120	SEC 01	T21N	R01W	E	M	39	42	24	121	56	06	000		1924		04	
A0 6854-34	PHOENIX FIELD	270	SEC 09	T09N	R07E	C	M	38	39	19	121	13	05	422		1964		34	
B1 6898	PINE GROVE CONSERVATION CAMP	2350	SEC 34	T07N	R12E	Q	M	38	24	46	120	38	21	808		1960		03	
A1 6946	PIT RIVER POWERHOUSE NO. 5	1458	SEC 09	T36N	R01W	M		40	59	00	121	59	00	900		1944		45	
B8 6949	PITTSBURG DOW CHEMICAL	14	SEC 15	T02N	R01E	D	M	38	01	26	121	51	20	000		1947		07	
A1 6952-02	PITTVILLE 3 SE	3500	SEC 29	T37N	R06E	B	M	41	01	00	121	18	00	000		1958		18	
A7 6960	PLACERVILLE	1890	SEC 07	T10N	R11E	R	M	38	43	45	120	47	51	900		1874		09	
A7 6962	PLACERVILLE I F G	2755	SEC 10	T10N	R11E	A	M	38	44	24	120	44	28	900		1929		09	
A7 6964	PLACERVILLE DISPOSAL PLANT	1546	SEC 11	T10N	R10E	P	M	38	43	56	120	50	44	900		1963		09	
A0 6966-02	PLAINFIELD 1 E	59	SEC 30	T09N	R02E	R	M	38	35	36	121	47	05	000		1957		57	
A0 6966-05	PLAINFIELD 2 NNW	68	SEC 24	T09N	R01E	D	M	38	37	08	121	49	00	000		1938		57	
A0 6968	PLAINFIELD 1 NNW	65	SEC 25	T09N	R01E	H	M	38	35	53	121	48	21	000		1957		57	
A3 6976-10	PLATINA	2260	SEC 16	T29N	R09W	M		40	22		122	53		900		1962		45	
A3 6976-35	PLATINA BURCH	2300	SEC 17	T29N	R09W	R	M	40	21	42	122	53	18	000		1962		45	
A9 6977	PLEASANTS VALLEY	250	SEC 11	T07N	R02W	M		38	28	05	122	02	35	000		1949		48	
A5 6998	PLUMAS EUREKA STATE PARK	5165	SEC 24	T22N	R11E	E	M	39	45	25	120	41	52	900		1961		32	
B1 7000-01	PLYMOUTH 3 NE	1485	SEC 31	T08N	R11E	E	M	38	30	20	120	48	45	000		1954		03	
B1 7000-03	PLYMOUTH 6 NNW	445	SEC 25	T08N	R09E	Q	M	38	31	02	120	55	56	000		1951		03	
A5 7085	PORTOLA	4838	SEC 01	T22N	R13E	D	M	39	48	17	120	28	16	900		1914		32	
B2 7136	PRESTON SCHOOL	350	SEC 24	T06N	R09E	G	M	38	21	48	120	56	12	412		1955		03	
A5 7195	QUINCY RANGER STATION	3409	SEC 14	T24N	R09E	Q	M	39	56	18	120	56	27	900		1895		32	
A6 7215	RACKERBY	1400	SEC 08	T18N	R06E	D	M	39	26	13	121	19	47	000		1963		04	
B2 7221-21	RAILROAD FLAT	2540	SEC 09	T05N	R13E	G	M	38	18	18	120	32	36	000		1948		05	
B2 7221-22	RAILROAD FLAT ADR	2720	SEC 04	T05N	R13E	M								903		1965		05	
A0 7247	RANCHO CORDOVA	87	SEC 34	T09N	R06E	A	M	38	35	49	121	18	02	000		1957	07	34	
A0 7247-01	RANCHO CORDOVA FIRE STATION	93	SEC 35	T09N	R06E	E	M	38	35	36	121	17	38	422		1960		34	
G2 7261	RAVENDALE JIM MARR	5540	SEC 20	T35N	R17E	D	M	40	52	30	120	06	00	000	PN7259	1952		18	
G2 7261-04	RAVENDALE 5 ESE	5350	SEC 21	T34N	R15E	R	M	40	47		120	16	30	000		1959		18	
A0 7291-06	RED BLUFF OWENS RANCH	595	SEC 22	T27N	R05W	N	M	40	10	36	122	25	12	000		1959		52	
A0 7291-12	RED BLUFF 8 S	333	SEC 31	T26N	R03W	N	M	40	03	24	122	15	18	000		1959		52	
A0 7292	RED BLUFF WB AP	341		T27N	R03W	M		40	09	00	122	15	00	900		1939		52	



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Station		Elevation (in Feet)	Section	Township	Range	40-Acre Tract Base & Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name						O	I	II	O	I	II						
A0 7295	REDDING 5 SSE	470		T31N	R04W	M	40	34	00	122	23	00	900		1958		45	
A0 7296	REDDING FIRE STATION NO. 2	577	SEC 35	T32N	R05W	M	40	35	00	122	24	00	900		1875		45	
A0 7300-03	REDDING CLEAR CREEK	450	SEC 25	T31N	R05W	E M	40	30	00	122	24	00	000		1956		45	
G7 7365-26	RENO	4397				M	39	30	00	119	47	00	900	266779	1870		62	
A7 7370	REPRESA	295	SEC 25	T10N	R07E	F M	38	41	36	121	09	39	900		1893		34	
A0 7390	RICE EXPERIMENT STATION	96	SEC 34	T19N	R02E	B M	39	27	49	121	44	00	906		1913		04	
A0 7422-04	RICHVALE	103	SEC 16	T19N	R02E	R M	39	29	42	121	44	46	000		1963		04	
B9 7446	RIO VISTA	40	SEC 31	T04N	R03E	E M	38	08	55	121	41	35	900		1907		48	
A0 7446-01	RIO VISTA 1 NW	85	SEC 24	T04N	R02E	P M	38	10	30	121	42	36	000		1956		48	
B9 7446-02	RIO VISTA 4 NW	63	SEC 16	T04N	R02E	H M	38	11	32	121	45	02	000		1949		48	
A0 7446-04	RIO VISTA 5 W	145	SEC 29	T04N	R02E	Q M	38	09	23	121	46	34	000		1965		48	
B1 7464	RIVER PINES	2015	SEC 15	T08N	R11E	J M	38	32	46	120	44	39	000		1950		03	
A0 7487	ROBBINS	20	SEC 24	T12N	R02E	P M	38	52		121	43				1926		51	
A7 7489	ROBBS PEAK POWERHOUSE	5120	SEC 11	T12N	R14E	G M	38	54	07	120	22	28	900		1965		09	
A7 7492	ROBERTSON FLAT	6740	SEC 11	T15N	R13E	N M	39	09	26	120	30	06	000		1946		31	
A0 7516	ROCKLIN	239	SEC 19	T11N	R07E	C M	38	47	36	121	14	30	900		1869		31	
A0 7517	ROCKLIN 1 SE	300	SEC 20	T11N	R07E	M	38	46	48	121	13	12	000		1954		31	
A0 7568-02	ROSEWOOD CAPEHART	650	SEC 14	T28N	R06W	K M	40	16	48	122	30	30	419		1960		52	
A2 7580	ROUND MOUNTAIN 1 NNE	2120	SEC 23	T34N	R01W	M	40	49	00	121	56	00	900		1951		45	
A8 7591-05	RUMSEY 1 NW	460	SEC 12	T12N	R04W	K M	38	54	03	122	14	55	000		1928		57	
A6 7608-05	RUSSELL RANCH	2400	SEC 19	T19N	R06E	J M	38	29	19	121	20	10	000		1963		04	
A0 7630	SACRAMENTO WB AP	17	SEC 25	T08N	R04E	M	38	31	00	121	30	00	900		1936		34	
A0 7633	SACRAMENTO WB CITY	25	SEC 01	T08N	R04E	C M	38	35	00	121	29	00	900		1849		34	
B0 7633-34	SACRAMENTO COUNTY BOYS RANCH	190	SEC 18	T08N	R08E	A M	38	33	14	121	08	02	422		1962		34	
A0 7633-53	SACRAMENTO HUFFMAN	30	SEC 16	T08N	R05E	M	38	33	12	121	26	36	000		1959		34	
A0 7633-55	SACRAMENTO 3 SSW			T08N	R04E	M							000				34	
A0 7633-56	SACRAMENTO 6 S	14	SEC 02	T07N	R04E	H M	38	29	30	121	30	09	000		1963		34	
A0 7633-57	SACRAMENTO 5 SSE	25	SEC 29	T08N	R05E	L M	38	30	52	121	27	20	000		1965		34	
A0 7635	SACRAMENTO REFUGE	95	SEC 10	T18N	R03W	F M	39	25	48	122	11	06	000		1958		11	
A3 7637	SADDLE CAMP RANGER STATION	3850	SEC 30	T27N	R08E	M	40	10	00	122	48	00	900		1945		52	
G7 7641	SAGEHEN CREEK	6337	SEC 07	T18N	R16E	B M	39	25	53	120	14	25	900		1953		29	
A9 7649	SAINT HELENA 7 NE	870	SEC 11	T08N	R05W	B M	38	33	56	122	22	53	900		1940		28	
B2 7689	SALT SPRINGS POWERHOUSE	3700	SEC 33	T08N	R16E	N M	38	29	50	120	12	59	900		1928		03	
B2 7701	SAN ANDREAS	1120	SEC 17	T04N	R12E	N M	38	11	33	120	40	55	000	047701	1924	02	05	
B2 7702	SAN ANDREAS 2 S	830	SEC 29	T04N	R12E	Q M	38	09	50	120	40	18	900		1924		05	
B2 7705	SAN ANDREAS RANGER STATION	1100	SEC 20	T04N	R12E	A M	38	11	32	120	40	10	808	047705	1953		05	
A6 8029	SCALES	4260	SEC 18	T20N	R09E	P M	39	35	38	121	00	56	000		1935	25	46	
G4 8074	SECRET VALLEY	4435	SEC 27	T31N	R15E	B M	40	31	24	120	16	00	000		1962		18	
G7 8082	SECOND SUMMIT	6460	SEC 03	T19N	R17E	H M	39	31	43	120	03	58	911		1958		46	
A6 8112-29	SHADY CREEK	2010	SEC 17	T17N	R08E	P M	39	19	47	121	06	25	000		1963		29	
A2 8135	SHASTA DAM	1076	SEC 15	T33N	R05W	M	40	43	00	122	25	00	900		1942		45	
B2 8145	SHEEP RANCH	2350	SEC 08	T04N	R14E	N M	38	12	35	120	27	47	903	PN8150	1937		05	
B1 8173	SHINGLE SPRINGS	1375	SEC 06	T09N	R10E	A M	38	40	07	120	54	41	900		1943		09	
A4 8175	SHINGLETOWN 2 E	3540	SEC 34	T31N	R01E	K M	40	29	42	121	50	48	900		1958		45	
A6 8207	SIERRA CITY	4170	SEC 28	T20N	R12E	Q M	39	33	55	120	37	45	900		1948		46	
A5 8218	SIERRAVILLE RANGER STATION	4975	SEC 13	T20N	R14E	K M	39	35	00	120	22	07	900		1909		46	
B0 8293-01	SLOUGHHOUSE 1 SW	123	SEC 04	T07N	R07E	Q M	38	29	01	121	12	34	000		1950	01	34	
B1 8295	SLY PARK	3530	SEC 17	T10N	R13E	L M	38	43	00	120	33	47	907		1955		09	
A0 8300	SMARTSVILLE	800	SEC 34	T16N	R06E	F M	39	12	08	121	17	15	808		1872	80	58	
B0 8322	SNOW RANCH	240	SEC 12	T01N	R10E	Q M	37	56	47	120	49	16	000		1934		50	
A6 8332	SODA SPRINGS 1 E	6885	SEC 23	T17N	R14E	G M	39	19	33	120	22	00	900	PN8320	1946	05	29	
B1 8344-09	SOMERSET 5 ESE	3160	SEC 24	T09N	R12E	G M	38	37	13	120	35	54	900		1964		09	
G9 8355	SONORA JUNCTION	6886	SEC 21	T06N	R23E	J M	38	21	04	119	26	54	900		1959		26	
G7 8474	SQUAW VALLEY	6235	SEC 21	T16N	R16E	A M	39	11	48	120	14	12	900		1955		31	
G6 8483	STACY	4020	SEC 20	T28N	R17E	L M	40	16	00	120	05	00	000		1963		18	
G4 8487	STANDISH 1 E	4030	SEC 16	T29N	R14E	J M	40	22	00	120	24	00	900		1958		18	
A5 8544	STIRLING CITY RANGER STATION	3518	SEC 28	T24N	R04E	K M	39	54	17	121	31	38	900		1903		04	
B9 8554	STOCKTON DISPOSAL PLANT	11	SEC 16	T01N	R06E	E M	37	56	09	121	19	41	900		1938		39	
B0 8558	STOCKTON WB AP	22		T01N	R07E	M	37	54	00	121	15	00	900		1948		39	
B0 8560	STOCKTON FIRE STATION 4	12	SEC 21	T02N	R06E	R M	38	00	01	121	18	59	900		1867		39	
A0 8576	STONE VALLEY	540	SEC 26	T21N	R05W	F M	39	39		122	23	42	000		1930		11	
A3 8578	STONYFORD COOLEY RANCH	3020	SEC 08	T16N	R07W	H M	39	15	18	122	39	30	900	PN1983	1935		06	
A3 8580	STONYFORD RANGER STATION	1168	SEC 29	T18N	R06W	M	39	23	00	122	32	45	900		1918		06	
A3 8587	STONY GORGE RESERVOIR	770	SEC 16	T20N	R06W	M	39	35	00	122	32	00	900		1926		11	
A2 8591	STOUTS MEADOW	5300	SEC 01	T38N	R01W	B M	41	10	00	121	56	00	900		1946		45	
A6 8606	STRAWBERRY VALLEY	3808	SEC 29	T20N	R08E	L M	39	33	48	121	06	32	900		1935		58	
G4 8702	SUSANVILLE AIRPORT	4148	SEC 13	T29N	R12E	B M	40	23	00	120	33	00	900		1931		18	
G4 8703	SUSANVILLE 1 WNW	4555	SEC 31	T30N	R12E	M	40	26	00	120	40	00	900		1952		18	
G4 8704	SUSANVILLE COURTHOUSE	4325	SEC 32	T30N	R12E	E M	40	25		120	39	42	000		1932		18	
A0 8710	SUTTER CITY	46	SEC 21	T15N	R02E	A M	39	08	30	121	44	48	000		1931		51	



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Station		Elevation (In Feet)	Section	Township	Range	40-Acre Tract Base & Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name						O	I	II	O	I	II						
A0 8710-05	SUTTER RANCH	60	SEC 09	T15N	R03E	R M	39	09	33	121	38	07	000		1950		51	
B2 8713	SUTTER HILL RANGER STATION	1586	SEC 18	T06N	R11E	A M	38	22	39	120	48	03	900		1943		03	
A5 8716	SWAIN MOUNTAIN	6160	SEC 20	T30N	R08E	J M	40	26	40	121	06	00	000		1957		32	
A1 8718	SWEAGERT FLAT	6000	SEC 11	T39N	R10E	F M	41	14		120	47	30	000		1958		25	
G7 8758	TAHOE CITY	6230	SEC 07	T15N	R17E	B M	39	09	59	120	08	27	900		1909		31	
A7 8771	TALBOT CAMP	6000	SEC 02	T15N	R14E	Q M	39	12	15	120	22	11	000		1948	1968	31	
G2 8872	TERMO 6 SW	5320	SEC 13	T34N	R12E	H M	40	48	42	120	33	36	000		1958		18	
G2 8873	TERMO	5300	SEC 25	T35N	R13E	M M	40	52	00	120	27	00	900		1927		17 18	
A7 8881	THE CEDARS	5900	SEC 13	T16N	R14E	L M	39	15	00	120	21	12	000		1945		31	
A0 8894-04	THERMALITO AFTERBAY	141	SEC 07	T19N	R03E	N M	39	30	32	121	41	00	000		1965		04	
B9 8902-39	THORNTON 3 SSE	10	SEC 23	T04N	R05E	L M	38	10	54	121	24	00	806		1961		39	
A5 8909	THREE MILE VALLEY	5900	SEC 36	T24N	R12E	A M	39	54	05	120	34	15	000		1959		32	
B2 8928	TIGER CREEK POWERHOUSE	2355	SEC 24	T07N	R13E	G M	38	26	58	120	29	28	900		1907		03	
A0 8933	TISDALE WEIR	40	SEC 36	T14N	R01E	E M	39	01	18	121	49	12	000		1948		05 51	
A0 8933-01	TISDALE BYPASS	30	SEC 30	T14N	R02E	R M	39	01	42	121	46	48	000		1946		51	
A7 8945	TODD VALLEY	2685	SEC 03	T13N	R10E	N M	38	59	53	120	50	57	000		1961		31	
G9 8970	TOPAZ LAKE	5044	SEC 27	T10N	R22E	K M	38	40	55	119	32	52	000		1955		04 26	
G9 8970-26	TOPAZ LAKE NEVADA	5020	SEC 27	T10N	R22E	N M	38	46	42	119	30	40	900	268186	1957		62	
A0 8984-34	TOWN AND COUNTRY MITCHELL	50	SEC 26	T09N	R05E	E M	38	36	25	121	24	18	000		1960		34	
B9 8995	TRACY FIRE STATION	53	SEC 28	T02S	R05E	C M	37	44	14	121	25	30	000		1960		39	
B9 8995-01	TRACY S P	50	SEC 27	T02S	R05E	D M	37	44	18	121	24	48	000		1878		39	
B9 8997	TRACY 2 SSE	108	SEC 03	T03S	R05E	C M	37	42	32	121	24	37	900		1951		39	
B9 8999	TRACY CARBONA	137	SEC 10	T03S	R05E	D M	37	41	45	121	24	49	900		1934		39	
B9 9001	TRACY PUMPING PLANT	61	SEC 31	T01S	R04E	N M	37	47	45	121	34	53	900					
A3 9037	TROUGH SPRING	4000	SEC 28	T17N	R07W	L M	39	17	48	122	39	11	903		1964		06	
G7 9043	TRUCKEE RANGER STATION	5995	SEC 10	T17N	R16E	P M	39	19	48	120	11	20	900		1870		29	
A2 9083	TURNABLE CREEK	1067	SEC 27	T34N	R04W	M	40	46	00	122	18	00	900		1947		45	
A5 9095	TWAIN	2840	SEC 22	T25N	R08E	B M	40	01	11	121	04	14	000		1963		32	
A4 9098	TWENTY MILE HOLLOW	2800	SEC 07	T26N	R02E	F M	40	07	33	121	48	12	000		1960		52	
A7 9105	TWIN LAKES	7829	SEC 18	T10N	R18E	Q M	38	42	22	120	02	27	900		1919		02	
B9 9135-39	UNION ISLAND	-6	SEC 14	T01S	R04E	N M	37	50	29	121	30	42	000		1929		39	
A7 9143	UNION VALLEY	4785	SEC 29	T12N	R14E	C M	38	51	45	120	26	23	440		1963		09	
A8 9167	UPPER LAKE 7 W	1520	SEC 02	T15N	R11W	M	39	11	00	123	02	00	900		1939		17	
A8 9173	UPPER LAKE RANGER STATION	1347	SEC 07	T15N	R09W	M	39	10	00	122	55	00	900		1886		17	
A0 9200	VACAVILLE	104	SEC 14	T06N	R01W	N M	38	21	36	121	56	57	900		1880		48	
B2 9235	VALLEY SPRINGS	695	SEC 24	T04N	R10E	D M	38	11	34	120	49	49	000		1888		08 05	
B0 9237	VALLEY SPRINGS 6 SW	360	SEC 08	T03N	R10E	C M	38	07	58	120	54	08	000		1951		05	
A0 9307	VERONA	43	SEC 24	T11N	R03E	D M	38	47	27	121	35	45	000		1948		51	
A0 9339-02	VINA 1 NE	235	SEC 12	T24N	R02W	K M	39	56	54	122	02	06	000		1945		52	
A0 9342	VINA MONASTERY	202	SEC 14	T24N	R02W	E M	39	56	18	122	03	42	000		1917		07 52	
A5 9351	VINTON	4945	SEC 28	T23N	R16E	G M	39	49	08	120	11	19	900		1941		32	
G8 9360-26	VIRGINIA CITY NEVADA													268761			62	
A2 9386	VOLLMERS	1360	SEC 34	T36N	R05W	M	40	57	00	122	26	00	900		1937		45	
A4 9390	VOLTA POWERHOUSE	2200	SEC 16	T30N	R01E	M	40	27	00	121	52	00	900		1919		45	
B0 9418	WALLACE 1 SE	214	SEC 22	T04N	R09E	J M	38	10	53	120	57	45	900		1926		05	
B9 9428	WALNUT GROVE	20	SEC 35	T05N	R04E	M M	38	14	16	121	31	00	422		1953		02 34	
B9 9429	WALNUT GROVE LEARY	2	SEC 22	T05N	R04E	M M	38	16	06	121	32	12	801		1941		34	
A6 9454-29	WASHINGTON RIDGE	3800	SEC 26	T17N	R09E	K M	39	18	18	120	56	03	808		1962		29	
A6 9455	WASHINGTON	2680	SEC 12	T17N	R10E	B M	39	21	27	120	47	55	000		1962		29	
A6 9503	WEIMAR 1 W	1980	SEC 20	T14N	R09E	Q M	39	02	36	120	59	48	000		1959		31	
G9 9514-26	WELLINGTON R S NEVADA	4800	SEC 02	T10N	R23E	M	38	45	00	119	23	00	900	268977	1942		62	
G6 9526	WENDEL 10 SE	4035	SEC 20	T28N	R17E	H M	40	16	00	120	04	24	900		1957		18	
G4 9526-01	WENDEL 1 E	4040	SEC 29	T29N	R16E	E M	40	21		120	12	30	000		1958		18	
A0 9528	WERNER RANCH	1190	SEC 21	T12N	R08E	D M	38	53		121	06		000		1934		31	
A0 9530	WEST ACRES	15	SEC 33	T09N	R04E	Q M	38	34	36	121	32	12	000		1959		57	
A0 9546	WEST CARMICHAEL	90	SEC 43	T09N	R06E	M	38	36	00	121	21	00	000		1959		34	
B2 9583	WEST POINT 3 SW	2365	SEC 17	T06N	R13E	C M	38	22	46	120	34	13	900		1949		05	
A7 9597	WESTVILLE	5290	SEC 05	T15N	R12E	J M	39	10	30	120	39	08	000		1948		31	
A5 9599	WESTWOOD	5080	SEC 07	T28N	R09E	H M	40	18	02	121	00	18	000		1921		07 18	
A0 9605	WHEATLAND 2 NE	105	SEC 35	T14N	R05E	D M	39	01	40	121	23	24	900		1940		58	
A0 9606	WHEATLAND CALPACK	77	SEC 08	T13N	R05E	L M	38	59	24	121	26	34	000		1934		51	
A3 9621	WHISKEYTOWN RESERVOIR	1310	SEC 22	T32N	R06W	M	40	37		122	32		900		1959		45	
B0 9639	WHITE ROCK	353	SEC 10	T08N	R08E	H M	38	33	50	121	04	47	900		1924		34	
A0 9677	WILLIAMS	90	SEC 13	T15N	R03W	M	39	09	00	122	09	00	900		1876		06	
G4 9690-31	WILLOW CREEK MURRER RANCH	4930	SEC 07	T31N	R12E	L M	40	34	00	120	40	00	000		1958		18	
A1 9696	WILLOW RANCH	4750	SEC 21	T47N	R14E	G M	41	54	08	120	21	20	000		1957		25	
A0 9699	WILLOWS	140	SEC 09	T19N	R03W	M	39	32	00	122	12	00	900		1879		11	
A0 9699-01	WILLOWS 3 W	161	SEC 12	T19N	R04W	J M	39	30	54	122	15		000		1952	1967	11	
A0 9700	WILLOWS USBR	135	SEC 09	T19N	R03W	M	39	32	00	122	12	00	904		1967		11	
B2 9710	WILSEYVILLE SCHAADS	2800	SEC 09	T06N	R14E	E M	38	23	18	120	26	41	412		1963		05	



TABLE A-1 (Cont.)  
**INDEX OF CLIMATOLOGICAL STATIONS FOR 1967-68**  
 NORTHEASTERN CALIFORNIA

Station		Elevation (In Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude			Longitude			Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
Number	Name							0	I	II	0	I	II						
A0 9742	WINTERS	135	SEC 22	T08N	R01W	M	38	31	20	121	58	08	900		1942			57	
A8 9742-04	WINTERS SCOTT RANCH	320	SEC 26	T09N	R02W	J M	38	35	54	122	02	36	000		1949			57	
A0 9742-05	WINTERS UDELL RANCH	140	SEC 10	T07N	R01W	E M	38	28	06	121	57	30	000		1934			48	
A0 9742-12	WINTERS 3 NE	116	SEC 13	T08N	R01W	F M	38	32	26	121	55	29	000		1926			57	
A0 9742-13	WINTERS 4 N	177	SEC 33	T09N	R01W	G M	38	35	08	121	58	33	000		1951			57	
A0 9742-16	WINTERS LEWIS RANCH	99	SEC 20	T08N	R01E	M M	38	31	28	121	53	27	000		1928			48	
A0 9745	WINTERS WOLFSKILL RANCH	137	SEC 33	T08N	R01W	B M	38	30		121	58	06	801		1937			48	
A6 9764	WOLF MOUNTAIN	2631	SEC 21	T15N	R08E	E M	39	07	48	121	06		000		1962			29	
G8 9775	WOODFORDS	5671	SEC 35	T11N	R19E	E M	38	46	34	119	49	27	900		1937			02	
A0 9781	WOODLAND 1 WNW	69	SEC 30	T10N	R02E	L M	38	41	00	121	47	36	900		1873			57	
A0 9781-02	WOODLAND 1 SSW	65	SEC 32	T10N	R02E	K M	38	40	06	121	46	18	000		1933	1967	10	57	
A0 9781-03	WOODLAND STODDARD RANCH	103	SEC 20	T09N	R01E	A M	38	37	06	121	52	35	000		1917			57	
A0 9781-95	WOODLAND HOLLAND RANCH	122	SEC 13	T09N	R01W	R M	38	37	15	121	55	00	000		1943			57	
A0 9783	WOODLAND 3 W	95	SEC 26	T10N	R01E	L M	38	40	57	121	50	00	000		1957			57	
A5 9786-02	WOODLEAF OROLEVE	3340	SEC 03	T19N	R07E	P M	39	31	40	121	10	44	000		1960			04	
A7 9816	WRIGHTS LAKE	6950	SEC 32	T12N	R16E	J M	38	50	30	120	14	02	900		1946			09	
A7 9818	WRIGHTS LAKE SNOWCOURSE	7600	SEC 16	T11N	R16E	M	38	48		120	13		814		1965			09	
A0 9837-03	YOLO 2 NE	52	SEC 29	T11N	R02E	N M	38	45	53	121	46	58	000		1949			57	
A0 9837-05	YOLO 3 NNE	52	SEC 30	T11N	R02E	C M	38	46	43	121	47	38	000		1950			57	
A0 9837-07	YOLO 3 N	45	SEC 19	T11N	R02E	N M	38	46	46	121	47	56	000		1962			57	
B0 9859	YOUNGSTOWN	65	SEC 20	T04N	R07E	N M	38	10	36	121	14	29	412		1938			39	
A0 9871	YUBA CITY	60	SEC 23	T15N	R03E	Q M	39	07	47	121	36	19	000		1958			51	
A0 9871-96	YUBA CITY 4 S	50	SEC 02	T14N	R03E	Q M	39	05	12	121	36	18	000		1965			51	

TABLE A-2

PRECIPITATION DATA

The definition of terms and abbreviations used in connection with this table are as follows:

- No record or record incomplete.
- \* Amount included in the following measurement. Time distribution unknown.
- E Wholly or partially estimated.
- T Trace, an amount too small to measure.
- V Includes total from previous month.
- RB Record began.
- RE Record ended.

Precipitation values are shown to the nearest hundredth (.01) of an inch, except where Fischer & Porter recording rain gages are used, these values are shown to the nearest tenth (.1) of an inch.



TABLE A-2 (Cont.)  
PRECIPITATION DATA

Precipitation in Inches

Station Name	Total July 1 to June 30	1967						1968						Total Oct. 1 to Sept. 30			
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
SACRAMENTO RIVER BASIN																	
SACRAMENTO VALLEY FLOOR AO																	
AEROJET	17.77	0	0	T	0.49	1.92	1.99	5.88	3.10	3.03	0.35	0.57	0.44	0	0.20	0	17.97
ARBuckle 5 SSW	13.56	0	0	0	0	0.92	1.25	6.18	3.18	2.03	0	0	0	0	0	0	13.56
ARDEN AND MISSION	11.64	0	0	0	0.17	1.40	1.13	3.27	2.28	2.29	0.40	0.32	0.38	0.01	0.18	0	11.83
ARDEN PARK BAILEY	13.55	0	0	0.07	0.30	1.76	1.28	3.93	2.62	2.43	0.39	0.39	0.38	0.01	0.18	T	13.67
BLACK BUTTE RANCH	15.34	0.01	0	0.05	0.11	1.48	1.81	5.17	3.94	1.54	0.48	0.33	0.42	0	1.38	0	16.66
BROWNS VALLEY 2 NE	23.62	0	0.02	T	0.75	3.83	2.46	5.70	5.51	3.88	0.30	0.33	0.84	T	0.26	0.01	23.87
CENTRAL VALLEY BURNS	43.50	0.01	T	0.07	1.37	4.38	6.89	9.51	11.04	6.68	0.45	2.15	0.95	0	3.54	0.11	47.07
CHICO EXPERIMENT STATION	21.76	0.01	0.03	0.07	0.38	2.93	1.97	7.32	4.37	3.52	0.23	0.71	0.22	T	0.50	0.03	22.18
CHICO AIRPORT	--	--	--	--	--	--	--	--	--	2.12	0.26	0.31	0.09	0	0.22	0.02	--
CIRCLE T RANCH	15.64	0	0	0.06	0.25	1.43	1.63	6.71	2.83	2.19	0.34	0.20	0	0	0.13	0	15.71
CITRUS HEIGHTS	14.77	0.02	T	0.04	0.40	1.81	1.43	4.05	3.00	2.95	0.40	0.33	0.34	T	0.22	T	14.93
CITRUS HEIGHTS FIRE STN	15.92	T	T	T	0.33	1.83	1.45	4.21	4.02	3.08	0.28	0.53	0.19	T	0.20	0	16.12
CLARKS VALLEY MUDD	16.75	T	0.15	0.10	0.20	1.63	1.94	6.64	4.02	1.00	0.42	0.36	0.29	T	1.02	0	17.52
COLEMAN FISH HATCHERY	23.16	T	T	0.01	0.15	2.07	4.02	8.33	5.26	1.70	0.36	0.76	0.50	T	2.27	0.01	25.43
COLUSA 1 SSW	13.79	0.01	0	0.07	0.24	0.83	1.38	3.92	3.52	2.23	0.22	0.41	0.96	0	0.46	0	14.17
CORNING UHL	16.50	0.01	0	0.04	0.11	1.64	1.84	6.04	3.71	1.85	0.43	0.49	0.34	T	3.47	T	19.92
CORNING HOUGHTON RANCH	16.50	0	T	0.04	T	2.09	2.07	5.39	4.31	1.32	0.37	0.80	0.11	0	1.22	0	17.68
COTTONWOOD 7 W	23.62	T	0	0.05	0.34	2.40	3.71	6.97	5.90	1.83	0.43	1.42	0.57	0	1.83	0.04	25.44
COUNTRY CLUB CENTRE	12.37	T	0	0.08	0.27	1.65	0.99	3.49	2.34	2.58	0.37	0.42	0.18	T	0.15	T	12.44
DAN BEST RANCH	11.89	T	0	0.05	0.26	1.47	0.55	4.64	2.23	2.40	0.11	0.15	0.03	0	0.26	0.03	12.13
DANTONI ORCHARD	16.92	0	T	0.13	0.40	2.22	1.38	3.83	4.51	2.82	0.23	0.07	1.33	0	0.20	0.03	17.02
DAVIS 2 WSW	11.49	T	0	0.04	0.26	1.10	0.96	4.51	2.03	2.06	0.21	0.29	0.03	T	0.18	T	11.63
DAVIS STATE NURSERY	11.00	0	0	0.03	0.38	1.41	0.76	3.08	2.11	2.73	0.25	0.17	0.08	0	0.06	0	11.03
DAVIS UCAP	--	0	0	0.04	0.28	1.16	0.89	RE									
DEL PASO PARK	11.53	T	T	0	0.27	1.61	1.22	3.15	2.39	2.08	0.32	0.46	0.03	0	0.13	0	11.66
DEWEY AND WINDING WAY	--	0	0	0	0.21	1.48	--	4.65	3.32	3.05	0.43	0.30	0.12	0	0.20	0	--
DIXON 6 E	12.22	0	0	0	0.35	1.36	1.11	3.85	2.29	2.77	0.49	0	0	0	0.06	0	12.28
DUFOUR	11.27	0	0	0.09	0.25	1.30	0.49	4.76	1.97	2.11	0.11	0.18	0.01	0	0.07	0.04	11.29
DUNNIGAN	6.66	0	0	0	0.37	1.13	0.56	1.10	0.74	2.76	0	0	0	0	0	0	6.66
DUNNIGAN POWERS RANCH	12.73	0.01	0.01	0.10	0.32	1.16	1.20	4.74	2.83	2.20	0.13	0.03	0	0	0.13	0	12.74
DURHAM FIRE STATION	18.91	T	T	T	0.28	2.15	1.70	6.25	3.73	3.41	0.15	0.68	0.56	0	0.36	0	19.27
ELKHORN FERRY	13.80	0	T	0.05	0.30	1.33	1.04	4.26	2.76	2.76	0.33	0.47	0.50	T	0.07	T	13.82
ESPARTO DESERET FARMS	14.67	T	0	0.06	0.15	1.55	1.31	5.88	2.88	2.37	0.14	0.17	0.16	0	0.21	0	14.82
FAIR OAKS	11.80	0	0	0.02	0.29	1.82	1.37	2.05	3.04	2.24	0.31	0.53	0.13	0	0.18	0	11.96
FRUITRIDGE AND HEDGE	11.67	0	0	0	0.36	1.40	1.16	3.55	2.39	1.94	0.40	0.33	0.14	0	0.10	0	11.77
FRUTO 2	16.63	0	0.17	0.16	0.17	1.59	2.38	5.75	4.10	0.97	0.28	0.64	0.42	0	1.18	0	17.48
GLENN COLUSA HEADGATE	14.73	0.01	0	0.06	0.19	1.26	1.78	5.36	3.69	1.87	0.34	0.08	0.09	0.04	0.60	0.03	15.33
GRIDLEY BUTTE W D	16.64	T	0	T	0.37	1.61	1.54	5.19	3.76	3.35	0.18	0.25	0.39	T	0.42	0.05	17.11
GRIDLEY F F S	--	0	0	0.13	0.18	1.70	1.43	5.85	3.75	3.75	0.15	0.27	RE				
HAMILTON RANCH	12.00	0	0	0.05	0.33	1.32	0.93	4.20	2.35	1.90	0.80	0.12	0	0	0.22	0	12.17
HAMMONTON	14.46	0	T	0.08	0.32	2.07	1.06	3.05	3.88	2.29	0.20	0.13	1.38	T	0.19	T	14.57
HONCUT	18.02	0	0	0.10	0.33	2.82	1.98	4.42	4.11	3.39	0.20	T	0.67	0	0.40	0.90	19.22
HUNTER DISTRICT GRAVES	20.04	T	0	0	0.51	2.33	3.10	6.61	4.57	1.17	0.43	1.12	0.20	0	1.72	0	21.76
JELLY	22.43	0.02	T	0.01	0.10	2.98	3.10	7.74	4.79	1.83	0.47	1.05	0.34	T	1.84	0	24.24
JOHNS SCHOOL	14.86	T	0.01	0.29	0.36	0.99	1.13	5.18	3.99	2.68	0.13	T	0.10	0	0.10	0.04	14.70
KAHI RADIO	--	0	0.01	--	1.76	3.31	2.53	5.85	5.57	3.47	0.68	0.56	0.32	0	0.76	0	24.81
KARNAK	12.95	T	0	0.02	0.23	1.71	0.84	4.67	2.37	2.55	0.17	0.16	0.23	0	0.08	T	13.01
KIRKVILLE	12.20	T	0	0.10	0.22	1.49	0.72	4.36	2.58	2.24	0.25	0.24	0	0	0.02	0.05	12.17
LA FINCA ORCHARD	16.19	0	0	0.11	0.37	2.02	1.45	4.76	4.03	2.47	0.19	0.06	0.73	T	0.34	0.19	16.61
LAKE SOLANO	14.65	0	0	0.05	0.21	1.16	1.46	6.18	2.98	2.19	0.29	0.12	0.01	0	0.04	0	14.64
LAMB VALLEY	16.92	T	0	0.05	0.23	1.32	1.89	7.71	2.87	2.22	0.15	0.18	0.30	0	0.28	0	17.15
LINCOLN AUSTIN	17.50	0	0	0.08	0.45	2.33	1.20	4.53	3.70	2.85	0.55	0.79	1.02	0	0.37	0	17.79
LINCOLN 4 NE	18.74	T	0	0.46	0.53	2.28	0.98	4.07	4.73	2.82	0.36	0.82	1.69	0	0.32	0.02	18.62
LIVE OAK 6 SSW	14.99	0	0	0.10	0.48	1.81	1.04	3.55	4.12	2.68	0.21	0.24	0.76	0	0.22	0.11	15.22
LIVE OAK 2 SE	17.20	0	0	0.08	0.55	2.00	1.07	4.88	4.51	2.87	0.18	0.21	0.85	0	0.25	0.08	17.45
LOMA RICA	20.39	0	0	0.12	0.55	3.22	2.10	5.19	4.46	3.62	0.41	0.24	0.48	T	0.20	0.04	20.51
LOOMIS	16.87	T	0	0.06	0.69	1.76	1.61	4.17	3.47	3.11	0.70	0.58	0.72	T	0.33	T	17.14
LOOMIS NO. 2	16.08	0.02	0	0.07	0.71	1.65	1.43	3.81	3.33	3.09	0.69	0.62	0.66	0	0.36	0	16.35
LOOMIS 3 ENE	19.59	0	0	0.08	1.34	2.17	2.02	4.76	3.90	2.97	0.93	0.82	0.60	T	0.48	0	19.99
LOS MOLINOS 3 N	20.54	T	T	0.04	0.12	1.72	2.85	7.62	4.60	2.26	0.45	0.51	0.37	T	2.68	0	23.18
LOS MOLINOS 6 N	19.44	0.03	0.01	0.06	0.09	2.40	2.62	6.99	3.77	1.81	0.33	0.74	0.59	T	1.82	0.02	21.18
M & T RANCH	16.43	0	0	0.06	0.26	1.83	1.81	6.24	3.56	2.11	0.28	0.28	0	0	0.48	0	16.85
MANZANITA FIRE STATION	17.07	0	0	0.12	0.36	1.79	1.51	5.31	3.82	3.13	0.25	0.26	0.52	0	0.52	0.13	17.60
MARYSVILLE	15.95	0	0.02	0.11	0.26	1.98	1.28	4.45	4.20	2.89	0.17	0.04	0.55	0	0.23	0.02	16.07
MATHER AIR FORCE BASE	11.72	T	T	T	0.21	1.51	0.86	3.43	2.40	2.00	0.36	0.80	0.15	T	0.14	T	11.86
MAXWELL	14.95	0.01	0.03	0.06	0.28	0.94	2.13	5.73	3.65	1.76	0.15	0.13	0.08	0	0.73	0	15.58
MCCLELLAN AIR FORCE BASE	12.52	T	0	0.01	0.19	1.65	1.53	3.08	2.41	2.62	0.39	0.60	0.04	0	0.17	T	12.68
MILLS ORCHARD	16.44	T	0	0	0.19	1.84	1.74	6.08	4.11	1.81	0.43	0.13	0.11	0.03	0.59	0.04	17.10
MONTEZUMA HILLS	--	0	0	0	0.17</												



TABLE A-2 (Cont.)  
PRECIPITATION DATA

Precipitation in inches

Station Name	Total July 1 to June 30	1967						1968						Total Oct. 1 to Sept. 30			
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
SACRAMENTO RIVER BASIN																	
SACRAMENTO VALLEY FLOOR AO																	
OROVILLE BRIDGE	20.48	0	0.03	0.09	0.39	2.78	1.89	6.08	4.51	3.33	0.17	0.60	0.61	0	0.25	T	20.61
OROVILLE RANGER STATION	21.20	0	0	0.10	0.40	3.20	1.90	6.00	4.50	3.50	0.20	0.60	0.80	0	0.20	0	21.30
PALERMO	19.40	0	0.04	0.14	0.50	2.37	1.81	5.66	4.45	3.23	0.21	0.46	0.53	T	0.45	0.05	19.72
PASKENTA RANGER STATION	19.53	T	0.23	0.06	0.37	2.17	2.67	6.60	4.51	1.27	0.46	0.72	0.47	0	0.86	0	20.10
PHELAN PARROTT RANCH	15.19	0	0	0	0.26	1.60	1.50	5.94	3.74	1.81	0.34	0	0	0	0.49	0	15.68
PHOENIX FIELD	13.44	0	0	0	0.36	1.78	1.14	3.67	2.73	2.71	0.35	0.52	0.18	0	0.20	0	13.64
PLAINFIELD 1 E	12.33	0	T	0.05	0.31	1.08	1.06	4.84	2.44	2.21	0.20	0.10	0.04	0	0	T	12.28
PLAINFIELD 2 NNW	11.88	0	0	0.25	0.33	1.17	1.13	4.40	2.20	2.25	0.15	0	0	0	0.08	0	11.71
PLAINFIELD 1 NNW	11.47	0	0	0.05	0.22	0.91	1.13	4.75	2.09	2.12	0.17	T	0.03	0	0.02	0.03	11.47
RANCHO CORDOVA						RB	1.20	3.49	2.55	2.58	0.43	0.53	0.11	0	0.11	0	--
RANCHO CORDOVA FIRE STN	12.45	0	0	0.04	0.30	1.52	1.20	3.61	2.38	2.43	0.37	0.49	0.11	0	0.11	0	12.52
RED BLUFF OWENS RANCH	--	0.24	--	--	--	2.40	2.60	6.39	4.19	1.25	0.41	1.26	0.45	0	1.52	0	--
RED BLUFF 8 S	16.11	0.01	T	0.03	0.06	1.70	2.38	5.76	3.97	1.32	0.41	0.29	0.18	T	2.25	0.02	18.34
RED BLUFF WB AIRPORT	16.60	0.01	T	0.03	0.08	1.90	2.51	5.82	3.65	1.27	0.29	0.56	0.48	T	1.18	0.01	17.75
REDDING 5 SSE	30.33	0	0.07	0.04	1.16	3.88	4.54	6.62	7.56	4.39	0.65	1.27	0.15	0.02	1.78	0.05	32.07
REDDING FIRE STN NO. 2	33.73	T	0.07	0.04	1.16	3.88	4.57	8.89	8.64	4.70	0.95	0.17	0.66	0	1.78	0.05	35.45
REDDING CLEAR CREEK	--	0.05	0.10	0.05	0.77	3.04	4.18	7.54	--	--	0.62	1.18	0.22	0.02	1.80	0.05	--
RICE EXPERIMENT STATION	15.50	0	0	0.08	0.29	1.54	1.44	4.81	3.03	2.82	0	0.34	1.15	0	0.57	1.40	17.39
RICHVALE	16.21	T	0	0.11	0.28	1.45	0.69	4.56	4.20	2.78	0.11	0.38	1.65	0	0.50	0.02	16.62
RIO VISTA 1 NW	11.69	0	0	0.09	0.03	1.14	1.27	4.35	2.35	1.82	0.54	0.10	0	0	2.88	0	14.48
RIO VISTA 5 W	11.26	0	0	0	0.20	0.57	1.60	4.13	2.55	1.57	0.50	0.14	0	0	0	0	11.26
ROBBINS	12.52	0	0	0.11	0.30	1.51	0.67	4.40	2.44	2.75	0.14	0.14	0.06	0	0.03	0.08	12.52
ROCKLIN	14.94	0	0	0.04	0.47	1.59	1.35	3.94	2.97	3.24	0.40	0.39	0.55	0	0.28	0	15.18
ROSEWOOD CAPEHART	21.16	0	T	0.08	0.39	2.91	2.98	6.34	5.23	1.03	0.53	1.67	0	0	1.42	0	22.50
SACRAMENTO WB AIRPORT	11.77	T	0	0.04	0.24	1.18	1.29	3.77	2.13	2.39	0.42	0.16	0.15	T	0.02	0	11.75
SACRAMENTO WB CITY	11.17	0	0	0.04	0.26	1.25	0.94	3.34	1.97	2.42	0.40	0.32	0.23	0	0.08	0	11.21
SACRAMENTO HUFFMAN	13.58	T	0	0.03	0.23	1.35	1.57	4.26	2.53	2.70	0.43	0.37	0.11	T	0.05	0	13.60
SACRAMENTO 3 SSW	12.72	0	0	0.04	0.32	1.22	1.45	3.98	2.49	2.42	0.49	0.16	0.15	0	0.08	0	12.76
SACRAMENTO 6 S	12.66	T	0	0.04	0.29	1.24	1.34	4.18	2.26	2.69	0.36	0.19	0.07	0	0.02	0	12.64
SACRAMENTO 5 SSE	12.45	0	0	0.04	0.34	0.78	2.05	3.71	2.24	2.54	0.57	0.07	0.11	0	0.02	0	12.43
SACRAMENTO REFUGE	15.63	0.02	T	0.07	0.25	0.67	1.83	6.07	4.08	1.47	0.26	0.27	0.64	T	1.40	0	16.94
SMARTSVILLE	21.60	0	T	0.09	1.22	2.86	2.49	5.55	5.47	2.62	0.34	0.76	0.20	T	0.34	0.04	21.89
STONE VALLEY	--	0.08	0.13	0.04	--	--	--	--	--	--	--	--	--	0	1.08	0	--
SUTTER CITY	8.02	0	0	0	0	0.99	0	3.02	2.63	1.38	0	0	0	0	0	0	8.02
SUTTER RANCH	12.31	T	0	0.13	0.27	1.05	0.69	3.71	4.08	1.56	0.17	0.06	0.59	0	0.11	0.04	12.33
THERMALITO AFTERBAY	--	0	--	--	0.29	2.74	1.54	5.30	4.57	3.35	0.12	0.74	0.31	0	0.47	0	19.43
TISDALE WEIR	13.90	0	0	0.05	0.26	1.64	0.97	4.58	3.09	2.36	0.16	0.40	0.39	0	0.10	0.08	14.03
TISDALE BYPASS	13.52	T	T	0.04	0.24	1.66	1.05	4.37	3.19	2.48	0.15	0.21	0.13	0	0.04	0.02	13.54
TOWN & COUNTRY MITCHELL	12.87	T	0	0.08	0.24	1.54	1.20	3.92	2.38	2.45	0.41	0.37	0.28	0	0.10	0	12.89
VACAVILLE	15.16	T	0	0.06	0.33	0.88	1.73	5.58	3.03	3.04	0.26	0.25	0	0	0.15	0	15.25
VERONA	12.16	T	0	0.05	0.27	1.52	0.91	3.77	2.23	2.68	0.23	0.34	0.16	0	0.34	0.02	12.47
VINA 1 NE	17.67	0.02	0	0	0.13	1.87	2.06	6.60	3.46	1.62	1.30	0.54	0.07	0	1.66	0	19.31
VINA MONASTERY	18.41	0.05	0	0.09	0.21	1.73	2.72	6.78	3.74	1.94	0.38	0.58	0.19	T	1.97	0	20.24
WERNER RANCH	20.81	0	0	0.06	1.77	2.24	2.15	5.02	4.56	3.02	0.50	0.79	0.70	T	0.68	0.01	21.43
WEST ACRES	13.72	T	0	0.06	0.29	1.35	1.15	4.08	2.25	3.72	0.42	0.21	0.19	0	0.07	0	13.73
WEST CARMICHAEL	13.06	T	0	0.06	0.29	1.61	1.32	3.93	2.65	2.36	0.43	0.41	0	T	0.13	0	13.13
WHEATLAND 2 NE	17.14	0	0	0.18	0.57	2.12	1.13	4.43	3.70	2.43	0.49	0.94	1.15	0	0.36	0.05	17.37
WHEATLAND CALPAK	17.67	0	0	0.07	0.63	1.97	1.45	4.66	3.80	2.84	0.87	0.63	0.75	0	0.41	0.03	18.04
WILLIAMS	11.90	0.02	0	0.09	0.24	0.11	1.82	4.25	3.28	1.90	0.14	0.02	0.03	0	0.80	0	12.59
WILLOWS	15.21	0.02	0.02	0.06	0.13	1.06	1.42	5.55	4.09	1.41	0.28	0.32	0.85	T	0.95	0	16.06
WINTERS	15.12	0	0	0.07	0.17	1.26	1.22	6.31	2.82	2.64	0.39	0.24	T	0	0.12	T	15.17
WINTERS UDELL RANCH	15.22	0	0	0.05	0.24	1.12	1.31	6.69	2.95	2.30	0.43	0.13	T	T	0.13	0	15.30
WINTERS 3 NE	13.99	T	0	0.07	0.26	1.11	1.13	5.52	2.62	2.68	0.20	0.19	0.21	0	0.12	0	14.04
WINTERS 4 N	14.14	0	0	0.05	0.12	1.35	1.21	5.47	2.57	2.62	0.25	0.07	0.43	0	0.15	0	14.24
WINTERS LEWIS RANCH	12.48	0	0	0.08	0.30	0.98	0.81	5.21	2.36	2.27	0.19	0.10	0.18	0	0.21	0	12.61
WINTERS WOLFSKILL RANCH	14.36	0	0	0.08	T	1.22	1.29	6.03	2.88	2.24	0.47	0.14	0.01	T	0.14	0	14.42
WOODLAND 1 NNW	11.55	T	0.02	0.11	0.30	1.08	0.92	4.59	1.99	2.35	0.12	0.07	T	0	0.06	T	11.48
WOODLAND 1 SSW	--	0	0	0.16	0.18	1.17	1.13	RE									
WOODLAND STODDARD RANCH	14.21	0	0	0.05	0.30	1.45	0.98	6.02	2.27	2.81	0.15	0.18	0	RE			
WOODLAND HOLLAND RANCH	11.82	0	0	0.02	0.10	1.20	0.72	4.78	2.05	2.70	0.17	0.05	0.03	0	0.03	T	11.83
WOODLAND 3 W	12.15	T	0	0.08	0.36	1.35	1.07	4.70	2.03	2.34	0.12	0.08	0.02	0	0.07	0.02	12.16
YOLO 2 NE	11.87	T	0	0.05	0.27	1.31	0.48	5.01	2.33	2.24	0.12	0.06	T	0	0.17	0.03	12.02
YOLO 3 NNE	11.95	0	0	0	0.32	1.45	0.50	4.96	2.32	2.29	0.11	0	0	0	0.18	0	12.13
YOLO 3 N	11.92	0	0	0.05	0.13	1.47	0.75	4.71	2.21	2.32	0.13	0.15	0	0	0.03	0	11.90
YUBA CITY	14.88	0	0.02	0.19	0.24	1.90	0.98	3.82	3.98	2.78	0.15	0	0.82	0	0.21	0.03	14.91
YUBA CITY 4 S	16.83	0	0.03	0.10	0.35	1.78	1.15	4.73	4.14	3.31	0.17	0.07	1.00	0	0.16	0.06	16.92
PIT RIVER A1																	
ADIN RANGER STATION	13.93	0.05	0.17	0.05	0.60	1.59	1.72	2.68	1.90	0.98	0.21	3.22	0.76	T	1.94	0.04	15.64
ALTURAS COPCO	8.57	0.02	0.03	0.25	0.25	0.88	1.34	1.27	1.60	0.58	0.18	1.34	0.83	T	2.10	T	10.37
ALTURAS INSPECTION STN	9.70	0.3															



TABLE A-2 (Cont.)  
PRECIPITATION DATA

Precipitation in Inches

Station Name	Total July 1 to June 30	1967						1968						Total Oct. 1 to Sept. 30			
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
SACRAMENTO RIVER BASIN																	
PIT RIVER A1																	
BUCKHORN	60.53	0.45	T	0.16	3.13	6.16	10.56	15.14	13.29	5.61	0.47	4.46	1.10	T	5.87	0.75	66.54
BURNEY	25.61	0.44	T	0.12	1.53	2.22	5.52	7.36	3.42	2.62	0.28	1.50	0.60	0	1.54	0.20	26.79
CANBY 11 SW	--	T	T	T	1.30	1.46	2.43	--	--	--	--	--	--	--	--	--	--
CANBY RANGER STATION	12.01	0.03	0.06	0.08	1.21	1.14	2.40	2.58	1.01	0.82	0.07	1.99	0.62	0	2.05	0.08	13.97
COVE RANCH	12.06	0.32	0.33	0.32	1.02	1.49	0.81	2.51	2.42	0.35	0.18	1.21	1.10	0.31	4.02	0	15.42
DANA 2 SE	27.46	0.09	0.02	0.06	1.37	2.03	5.04	8.33	3.84	3.93	0.16	1.93	0.66	T	1.76	0.16	29.21
DAVIS CREEK	13.56	0.57	0	0.05	0.67	1.55	1.54	3.62	1.85	0.58	0.36	1.93	0.84	0	2.54	0.04	15.52
DAY	25.06	0.39	0	0.03	1.57	2.26	4.71	8.11	2.63	2.90	0.17	1.49	0.80	0	1.66	0.10	26.40
FALL RIVER MILLS	15.69	0.21	0	0.05	1.10	1.92	2.28	3.93	2.37	2.07	0.24	1.12	0.40	0	1.18	0.07	16.68
HAT CREEK RANGER STATION	19.69	0.07	0.11	0.16	1.61	1.68	3.85	6.06	1.84	2.18	0.36	1.45	0.32	0	1.37	0.07	20.79
HAT CREEK POWERHOUSE NO. 1	17.70	0.26	0.03	0.07	1.08	1.71	3.63	5.24	2.29	1.91	0.19	0.80	0.49	0	1.22	0.13	18.69
JESS VALLEY	13.52	0.43	0.47	0.30	0.50	1.92	1.07	1.49	2.52	1.30	0.76	2.15	0.61	0.80	3.45	T	16.57
LIKELY VANCE	9.49	0.59	0.39	0.20	0.68	0.96	1.05	1.38	1.06	0.65	0.42	1.38	0.73	0	2.23	0	10.54
LITTLE VALLEY	--	--	--	--	0.06	1.57	--	5.51	1.65	1.27	0.29	1.43	0.29	0	3.03	0	--
LOOKOUT 3 WSW	17.64	0.55	0	0.05	1.64	1.65	3.17	2.63	3.29	1.78	0.12	2.42	0.34	0	2.13	0.24	19.41
LOOKOUT SHAW	17.31	0.08	0.01	0.06	1.05	1.76	3.21	4.06	1.57	1.73	0.41	2.74	0.63	T	1.99	0.14	19.29
MCARTHUR HMS	--	0.41	0	0.07	1.22	1.65	2.59	5.03	2.08	1.65	0.13	1.08	RE				
NEW PINE CREEK, OREGON	14.87	0.34	0.11	0.12	0.88	1.68	1.23	3.77	2.03	1.02	0.28	1.44	1.97	0	3.46	0.05	17.81
OLD STATION	18.12	0.46	T	0.05	1.31	2.27	2.02	4.06	3.11	2.39	0.37	1.07	1.01	0.03	2.33	0.12	20.09
PIT RIVER POWERHOUSE NO. 5	65.26	0.54	0.30	0.12	1.64	7.43	8.50	17.84	12.64	7.80	0.27	6.96	1.22	T	2.10	0.38	66.78
PITTVILLE 3 SE	14.56	0.24	0	0.11	1.15	1.95	2.30	3.78	2.10	1.42	0.11	1.14	0.26	0	1.55	0.04	15.80
WILLOW RANCH	5.35	0.34	0.06	0.15	0.30	0.70	0.48	0.73	1.11	0.16	0.06	0.49	0.77	0	0.89	0.34	6.03
SHASTA LAKE A2																	
DUNSMUIR RANGER STATION	44.58	0.02	T	0.10	2.03	3.99	8.73	10.94	8.23	6.61	0.33	2.07	1.53	0	1.61	0.22	46.29
GIBSON HMS	43.88	0.06	0.33	0.11	2.70	4.34	8.23	8.72	11.78	5.35	0.09	1.39	0.78	T	3.17	T	46.55
IRON MOUNTAIN NO. 3	--	0.10	0.11	0.10	1.35	4.11	6.22	7.30	RE								
LAKESHORE	47.28	0.14	0.06	0.13	1.50	4.73	7.34	12.81	11.55	5.36	0.30	2.46	0.90	0	2.70	0.21	49.86
MCCLOUD	39.02	0.04	0.19	0.37	1.92	2.79	7.18	10.65	6.85	4.64	0.18	2.95	1.26	T	1.56	0.17	40.15
MT. SHASTA WB CITY	30.25	0.05	0.15	0.07	1.89	2.74	6.23	8.40	3.45	4.09	0.40	1.12	1.66	0.02	0.78	0.15	30.93
ROUND MOUNTAIN 1 NNE	51.75	0.18	T	0.09	2.63	5.44	9.00	11.75	10.83	6.21	0.38	3.87	1.37	0	4.58	0.20	56.26
SHASTA DAM	43.43	0.02	T	0.05	1.23	4.06	6.55	10.36	11.48	5.93	0.43	2.82	0.50	0	2.64	0.11	46.11
TURNABLE CREEK	44.80	0.05	T	0	1.28	4.64	6.63	11.41	10.42	6.46	0.28	3.25	0.38	0	4.36	0.14	49.25
VOLLMERS	44.99	0.39	T	0.09	2.43	3.81	8.53	9.75	12.10	5.26	0.20	1.59	0.84	0	2.49	0.15	47.15
SACRAMENTO VALLEY WEST SIDE A3																	
BLACK BUTTE DAM	15.50	T	0	0.07	0.16	1.53	1.89	5.20	4.10	1.59	0.42	0.18	0.36	0	1.38	0	16.81
EAGLE CREEK	29.90	T	0.06	0.08	1.18	3.95	4.97	7.03	9.19	2.02	0.52	0.70	0.20	0.15	1.39	0.03	31.33
EAST PARK RESERVOIR	17.94	0	0.05	0.21	0.43	1.51	2.61	7.05	4.56	1.01	0.25	0.11	0.15	0	0.97	0	18.65
FLOOD RANCH	20.25	0	0.19	0.08	0.21	1.97	2.56	6.84	4.56	1.28	0.29	1.88	0.39	0	0.82	0	20.80
FLOURNOY 8 NW	20.41	0	0.50	0	0.48	2.19	2.60	6.65	5.41	1.14	0.38	0.96	0.10	T	0.40	0	20.31
FOUTS SPRING BOYS RANCH	28.48	0	0	0.10	1.05	3.19	5.39	9.17	6.43	2.38	0.61	0.16	0	0	1.23	0	29.61
FRENCH GULCH	26.37	T	0.06	0.09	1.44	3.17	3.62	7.01	7.23	2.16	0	1.27	0.32	0	1.54	0.28	28.04
HARRISON GULCH RANGER STN	33.84	0	0.37	0.10	2.05	2.97	6.92	9.21	8.36	2.59	0.52	0.67	0.08	0.02	1.97	0.13	35.49
IGO 2 W	28.27	T	T	0.10	1.41	4.26	3.90	3.47	10.39	2.32	0.80	1.05	0.57	0.10	1.50	0.06	29.83
MONTGOMERY PLACE	--	--	0.23	--	--	--	4.38	7.26	4.68	1.09	0.45	0.71	0.12	T	1.02	0	--
ONO	30.74	0	0.39	0.08	1.25	3.35	5.16	7.73	8.98	2.18	0.57	0.84	0.21	0	1.72	0.08	32.07
PLATINA	32.21	0	0.08	T	1.56	2.50	6.17	10.90	7.57	1.98	0.67	0.62	0.16	T	1.92	0.10	34.15
PLATINA BURCH	27.75	T	0.08	0.05	1.58	2.89	5.62	5.74	8.20	2.12	0.42	1.03	0.02	T	1.81	0.09	29.52
STONYFORD COOLEY	41.26	0	0	0.10	2.05	4.42	7.12	10.90	8.53	5.89	0.84	1.16	0.25	0	3.44	0.06	44.66
STONYFORD RANGER STATION	18.24	0.01	T	0.16	0.49	0.65	2.53	7.34	4.97	1.67	0.34	0.04	0.04	0	0.02	0	18.09
STONY GORGE RESERVOIR	18.43	0	0.15	0.09	0.44	2.22	2.76	6.03	3.95	0.89	0.38	1.22	0.30	T	1.33	0	19.52
WHISKEYTOWN RESERVOIR	44.90	0.01	0.08	0.05	1.93	4.32	7.32	11.09	11.11	4.38	0.87	3.26	0.48	0	1.34	0.07	46.17
SACRAMENTO VALLEY NORTHEAST A4																	
CENTERVILLE POWERHOUSE	36.39	0	T	0.10	0.78	5.97	3.99	12.32	6.12	5.38	0.54	1.11	0.08	0.04	0.97	0.05	37.35
COHASSET 1 NNE	46.62	0.02	0.04	0.07	1.35	6.50	5.65	15.89	8.00	5.54	0.52	2.14	0.90	T	2.41	0.13	49.03
DALES	23.33	0.05	0.04	0.05	0.05	2.29	3.14	8.95	4.49	2.31	0.40	1.31	0.25	0	2.12	0.04	25.35
DARRAH FISH HATCHERY	22.86	0.05	0.02	0.05	0.17	1.90	3.35	7.55	5.10	2.18	0.39	0.94	1.16	0	2.58	0.05	25.37
DESABLA	47.68	0.01	0.02	0.12	2.07	6.29	6.38	13.34	8.98	7.30	0.47	2.46	0.24	0.03	1.79	0.14	49.49
FOREST RANCH	49.89	0	0	0.08	1.47	6.96	4.99	18.26	8.03	6.47	0.55	2.59	0.49	0.02	1.41	0.15	51.39
KILARC POWERHOUSE	38.37	0.08	0.01	0.24	1.75	2.50	6.81	11.72	7.87	3.85	0.89	1.92	0.73	0	3.59	0.15	41.78
MANTON 6 E	35.17	0.08	0.21	0.18	1.38	4.00	5.07	11.33	6.30	4.53	0.37	1.36	0.36	0.04	3.99	0.17	38.90
MANZANITA LAKE	34.91	0.47	0.15	0.09	2.58	3.26	4.06	10.08	6.54	3.77	0.60	2.49	0.82	0	4.57	0.31	39.08
MINERAL	41.96	0.02	0.13	0.19	4.18	4.69	5.78	14.85	5.05	4.02	0.36	2.27	0.42	0	4.14	0.31	46.07
PALO CEDRO 2 N	29.96	T	0	0.09	0.99	2.70	4.05	7.09	8.05	3.55	0.47	1.88	1.09	0	1.86	0	31.73
PARADISE	39.98	T	0.02	0.04	1.10	6.84	5.15	11.04	8.18	5.81	0.54	1.26	0	T	1.40	0.05	41.37
PAYNES CREEK	--	--	--	--	--	1.87	2.47	--	--	--	--	1.29	0	--	--	--	--
SHINGLETOWN 2 E	33.96	0.13	0.27	0.14	0.88	2.72	5.17	10.13	8.11	3.80	0.47	1.46	0.68	0	4.05	0.15	37.62
VOLTA POWERHOUSE	28.14	0.10	0.12	0.08	0.50	2.87	4.05	9.78	5.96	2.70	0.50	1.05	0.43	0	3.06	0.14	31.04
FEATHER RIVER A5																	
BOULDER CREEK GUARD STN	--	0.32	0.06	0.43	--	--	--	--	--	--	--	--	0.41	T	1.31	0.03	--
BRUSH CREEK RANGER STN	50.68	0	0	0.05	3.56	5.81	7.27	12.12	11.58	7.82	0.70	1.39	0.38	0	2.15		



TABLE A-2 (Cont.)  
PRECIPITATION DATA

Precipitation in inches

Station Name	Total July 1 to June 30	1967						1968									Total Oct. 1 to Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
SACRAMENTO RIVER BASIN																	
FEATHER RIVER A5																	
CANYON DAM	31.36	0	0.10	0.14	1.20	3.18	4.81	11.25	4.08	4.40	0.23	1.57	0.40	0.09	1.30	0.07	32.58
CARIBOU POWERHOUSE	36.19	0.03	0.03	0.07	1.84	3.45	5.70	12.10	5.04	5.14	0.39	1.62	0.78	0.03	0.92	0.08	37.09
CHEROKEE	36.66	T	0.05	0.24	0.80	5.19	3.83	10.92	8.34	5.94	0.40	0.83	0.12	T	1.20	0.05	37.62
CHESTER	30.04	0.03	0.03	0.15	1.16	3.92	3.66	10.37	4.59	4.11	0.16	1.38	0.48	0.12	1.35	0.22	31.52
ENTERPRISE OWID	33.61	0	0	0.05	1.53	5.05	3.81	10.52	6.29	5.40	0.41	0.32	0.23	0	0.84	0	34.40
FEATHER FALLS	38.60	0	0	0.13	2.81	5.05	4.39	10.98	7.32	5.91	0.42	1.09	0.50	0	1.19	0.20	39.86
FORBESTOWN	45.21	T	0	0.15	2.72	6.47	6.36	11.79	10.00	6.23	0.52	0.86	0.11	0.02	1.61	0.15	46.84
FOREMAN CREEK	30.33	0	0	0.25	0.85	4.90	2.71	8.74	6.81	4.53	0.37	0.41	0.76	0	0.99	0	31.07
GREENVILLE RANGER STATION	34.18	0.20	0.20	0.22	1.42	3.20	5.54	13.15	4.11	4.24	0.29	1.06	0.55	0	1.00	0.08	34.64
HAMILTON BRANCH POWERHSE	21.87	0	0.05	0.07	1.21	2.92	2.92	4.81	5.02	3.00	0.22	1.24	0.41	0.09	0.68	0.10	22.62
LAKE WILENOR	--	0	0.01	0.13		5.41	5.41	11.59	9.90	6.47	0.54	1.10	--	0.01	1.25	0.08	--
LA PORTE	69.18	0	0.14	0.32	4.86	7.83	11.65	17.28	12.22	11.10	0.82	2.27	0.69	0	3.17	0.20	72.09
LAS PLUMAS	--	0	0	0.15	RE												
LOYALTON	14.66	0.25	0.12	1.27	1.35	1.45	2.47	2.52	2.34	1.59	0.12	0.38	0.80	0.09	0.51	0.35	13.97
LOYALTON NO. 2	15.34	0.20	0.12	1.49	1.50	1.47	1.34	3.47	2.39	1.95	0.19	0.54	0.68	0.09	0.55	0	14.17
MOHAWK RANGER STATION	23.68	0.03	0.19	0.93	2.57	2.41	3.92	6.32	3.30	2.99	0.11	0.62	0.29	T	0.70	0	23.23
OROVILLE DAM	23.71	0	0	0.11	0.60	3.73	2.10	6.33	5.17	4.07	0.33	0.36	0.91	0	0.84	0.01	24.45
PARISH CAMP	27.82	0	0.01	0.18	0.62	3.92	2.60	9.68	5.70	4.12	0.30	0.63	0.06	0.02	0.58	0.01	28.24
PLUMAS EUREKA STATE PARK	50.25	0.01	0.23	1.00	4.21	5.45	8.72	12.49	9.56	6.46	0.33	1.33	0.46	0.08	1.97	0.06	51.12
PORTOLA	16.71	0.08	0.14	0.54	1.02	1.79	2.68	4.49	2.29	3.01	0.17	0.12	0.38	T	0.29	0	16.24
QUINCY RANGER STATION	34.24	0	0.07	0.26	2.00	3.49	6.13	11.19	4.14	4.85	0.33	1.09	0.69	0.59	0.86	0.01	35.37
SIERRAVILLE RANGER STN	19.24	T	0.18	1.32	1.52	1.77	3.54	4.25	3.53	2.31	0.12	0.11	0.59	0.01	0.77	0	18.52
STIRLING CITY RANGER STN	54.10	0	0	0.30	3.40	6.70	8.60	13.80	9.60	8.40	0.40	2.10	0.80	0.10	2.80	0.20	56.90
TWAIN	33.32	2.48	0	0	1.39	3.49	5.02	11.77	3.61	4.55	0.42	0.35	0.24	0.22	0.92	0	31.98
VINTON	9.42	0.21	0.19	0.67	1.12	0.84	1.20	1.89	1.26	1.20	0.25	0.24	0.35	0.04	1.15	0.01	9.55
WESTWOOD	13.89	0.25	0.01	0.08	0.27	1.33	1.73	4.55	3.66	0.95	0.02	0.70	0.34	0	0.56	0.06	14.17
WOODLEAF OROLEVE	53.62	0	T	0.02	3.12	6.82	9.68	12.54	11.00	8.49	0.64	1.19	0.12	0.01	1.21	0.14	54.96
YUBA-BEAR RIVERS A6																	
BANGOR FIRE STATION	24.20	0	0	0.10	0.91	4.45	2.24	6.63	5.07	3.87	0.42	0.28	0.23	0	0.35	0.12	24.57
BEAR RIVER HEAD DAM	37.94	0	0	0.61	2.13	5.04	6.07	8.04	8.49	5.55	0.57	0.75	0.69	0	1.04	0.80	39.17
BIG BEND RANGER STATION	51.45	0	1.94	0.75	2.65	4.81	8.84	12.73	11.34	6.05	0.25	1.43	0.66	T	2.09	0.09	50.94
BOWMAN DAM	49.18	0	0.85	0.95	2.92	5.02	7.42	11.43	12.17	5.89	0.72	1.39	0.42	T	3.21	T	50.59
BULLARDS BAR POWERHOUSE	49.10	0.02	0	0.33	2.89	7.11	9.38	10.16	10.08	6.63	0.61	1.63	0.26	T	RE		
CAMPTONVILLE RANGER STN	43.75	0	0	0.07	3.53	4.48	8.32	10.17	9.95	5.26	0.71	1.09	0.17	0.01	1.55	0.08	45.32
CHALLENGE RANGER STATION	50.42	0.02	0	0.25	2.68	7.91	7.60	11.90	10.50	7.68	0.63	1.05	0.20	T	1.41	0.16	51.72
CLIPPER GAP	27.77	0	0	T	1.86	3.98	4.61	6.83	5.81	3.07	0.89	0.54	0.18	0	0.94	T	28.71
COLGATE POWERHOUSE	31.85	0	0	0.15	2.24	3.84	4.40	8.85	7.41	3.48	0.42	0.85	0.21	0	0.63	0.03	32.36
DEER CREEK POWERHOUSE	54.51	0	T	0.91	2.97	6.61	8.94	13.67	12.09	7.10	0.78	1.07	0.37	0.17	2.58	0.02	56.37
DOBBINS FFS	37.88	0.02	0	0.37	2.05	5.37	6.46	9.49	7.80	4.53	0.50	1.23	0.06	T	0.85	0.13	38.47
DOBBINS COLGATE	31.94	0	0	0.18	2.14	3.75	4.59	8.19	7.83	3.58	0.43	1.02	0.23	0	0.71	0.06	32.53
DOWNIEVILLE RANGER STN	48.03	0	0.15	0.37	3.01	4.65	10.90	10.70	9.54	6.05	0.63	1.34	0.69	0	2.18	0.05	49.74
DRUM FOREBAY	46.55	0.01	0.03	0.99	2.53	5.42	9.16	9.53	10.86	5.89	0.56	1.22	0.35	0.07	1.86	0	47.45
FRENCH CORRAL	31.46	T	T	0.25	1.93	3.22	4.63	9.32	7.12	3.77	0.45	0.69	0.08	T	0.59	0.04	31.84
GRASS VALLEY NO. 2	39.69	T	T	0.50	2.30	5.01	6.53	10.66	8.47	4.26	0.61	1.05	0.30	0.01	0.98	0.26	40.44
H. L. ENGLEBRIGHT DAM	26.81	0.02	0	0.08	1.37	3.29	3.36	7.50	6.42	3.49	0.37	0.72	0.19	T	0.39	0.05	27.15
HIDDEN VALLEY RANCH	26.35	0	0	0.22	2.01	3.70	3.12	6.56	5.72	3.59	0.58	0.79	0.06	0	0.45	0.07	26.65
INDIAN ROCK	50.87	T	0	0.21	2.89	6.77	8.39	13.36	10.87	6.09	0.65	1.51	0.13	T	1.34	0.13	52.13
LAKE SPAULDING	51.50	T	0.17	0.77	2.92	5.62	8.88	12.44	10.18	7.46	0.56	1.53	0.97	0.05	3.06	0.04	53.71
LAKE SPAULDING DAM	--	T	0.17	0.77	2.95	--	--	--	--	--	--	1.45	1.01	0.04	2.71	0.04	--
NEVADA CITY	42.81	0	0	1.20	2.07	5.76	6.65	10.83	8.48	5.80	0.55	1.14	0.33	T	1.08	0.01	42.70
NEVADA CITY RANGER STN	30.03	T	0	1.04	0.10	3.26	3.68	8.14	7.77	4.95	0.54	0.10	0.45	T	0.90	0.01	29.90
NORTH BLOOMFIELD	--	T	0	0.27	2.14	--	--	--	6.96	5.04	0.64	0.74	1.16	0.11	1.41	0	--
NORTH SAN JUAN	37.65	T	0	0.34	2.75	4.76	5.07	9.35	9.15	4.42	0.53	1.09	0.19	0.01	1.04	0.06	38.42
NORTH SAN JUAN 4 NE	41.79	T	T	0.10	3.15	4.16	7.01	7.68	12.68	5.20	0.64	0.97	0.20	T	1.25	0.03	42.97
RACKERBY	28.91	0	0	0.10	1.42	5.32	3.25	8.83	5.24	4.70	T	0.05	0	0	0.17	T	28.98
RUSSELL RANCH	34.03	0.02	0	T	1.90	5.44	2.68	9.27	8.08	5.05	0.06	0.53	1.00	0	0.95	0.15	35.11
SCALES					RB	6.76	11.69	17.29	13.06	8.91	1.68	2.07	1.40	0.05	2.24	0.17	--
SHADY CREEK	31.86	T	T	0.70	2.18	3.82	4.18	8.51	7.15	3.85	0.47	0.79	0.21	T	0.81	0.07	32.04
SIERRA CITY	48.72	0	0.21	0.52	2.89	4.61	9.42	12.52	10.48	5.75	0.53	0.99	0.80	0.01	3.02	0	51.02
SODA SPRINGS 1 E	46.62	0.02	0.91	1.71	2.27	5.90	6.41	10.96	9.22	5.98	0.79	1.31	1.14	0.03	3.06	0.39	47.46
STRAWBERRY VALLEY	60.53	T	T	0.17	3.50	6.83	10.36	15.89	12.13	8.59	0.91	1.31	0.84	0.03	1.55	0.12	62.06
WASHINGTON RIDGE	43.37	T	0	0.48	2.94	4.81	8.58	9.86	8.35	6.88	0.47	0.83	0.17	0.20	1.34	0	44.43
WASHINGTON	44.73	T	T	0.91	2.38	4.99	8.19	11.02	9.03	6.06	0.54	1.01	0.60	0.03	2.25	T	46.10
WEIMAR 1 W	32.63	T	0	0.17	2.03	4.47	5.38	8.02	6.65	4.48	0.49	0.93	0.01	T	0.83	0	33.29
WOLF MOUNTAIN	33.44	0	0	0.35	2.24	4.77	4.37	8.54	7.32	3.82	0.59	1.30	0.14	0	0.90	0.07	34.06
AMERICAN RIVER A7																	
APPLEGATE	32.71	0	0	0.24	1.93	3.95	5.80	8.14	6.17	5.08	0.40	0.91	0.09	0	1.24	0.13	33.84
AUBURN	24.09	0	T	0.06	1.86	2.84	3.39	5.58	4.99	3.54	0.63	0.83	0.37	0.03	0.73	0.02	24.81
BLODGETT EXPT FOREST	48.67	0															



TABLE A-2 (Cont.)  
PRECIPITATION DATA

Precipitation in inches

Station Name	Total July 1 to June 30	1967						1968									Total Oct. 1 to Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
SACRAMENTO RIVER BASIN																	
AMERICAN RIVER A7																	
EL DORADO POWERHOUSE	34.81	0	0.03	0.55	2.29	5.32	5.64	8.06	5.68	4.77	0.64	1.25	0.58	0.12	1.00	0.02	35.37
FOLSOM DAM	15.95	T	T	0.06	0.71	2.11	1.48	4.15	3.11	2.76	0.47	0.79	0.31	0	0.25	0	16.14
FORESTHILL RANGER STATION	37.37	0	T	0.18	2.25	4.02	7.89	8.98	7.37	5.00	0.44	1.13	0.11	T	1.62	0.13	38.94
FRESH POND	37.84	0	0	0.58	2.69	4.56	7.07	8.37	6.35	5.72	0.51	1.38	0.61	0.07	1.27	0	38.60
GARDEN VALLEY 2 S	27.22	T	0	0.39	1.49	3.79	4.83	6.21	4.91	3.63	0.50	1.06	0.41	0	1.17	0.02	28.02
GEORGETOWN	--	0	0	T	1.98	4.22	RE										
GEORGETOWN RANGER STATION	38.97	0	T	0.22	2.38	5.09	7.69	8.29	7.72	4.63	0.61	1.38	0.96	0.05	1.92	0	40.72
GOLD RUN	43.48	0	0	0.59	2.41	4.83	6.86	10.72	9.15	6.09	0.49	1.11	1.23	0.23	1.59	0.22	44.93
HELL HOLE	29.20	0	0.10	0.40	2.20	4.40	3.50	6.10	6.40	3.60	0.60	1.00	0.90	0.10	1.80	0.40	31.00
IOWA HILL	--	0	T	0.51	2.24	3.88	6.62	7.35	7.08	4.98	0.57	--	--	--	--	--	--
JAY BIRD POWERHOUSE	35.33	0	0	0.69	2.59	5.13	7.03	6.82	6.37	4.15	0.57	1.53	0.45	0.01	1.44	0	36.09
KYBURZ STRAWBERRY	31.02	0.21	1.26	0.86	1.46	3.63	3.94	6.75	6.81	3.85	0.58	1.46	0.21	0.11	1.21	0.02	30.03
LONG VALLEY ORCHARD	20.09	T	0	0.09	1.47	2.02	2.38	4.79	4.35	2.86	0.48	0.69	0.96	T	0.54	0.02	20.56
MICHIGAN BLUFF	32.77	0	0	0.15	2.22	4.45	4.08	7.04	7.11	5.01	0.45	1.19	1.07	0.16	1.20	0.16	34.14
MOUNT DANAHER	32.40	0	0.05	0.47	2.17	4.85	5.30	7.43	5.48	4.59	0.51	1.44	0.11	0.11	1.21	0.05	33.25
PACIFIC HOUSE	35.61	0	0.16	0.45	2.77	3.92	7.14	7.59	5.83	5.47	0.54	1.27	0.47	T	1.17	0.05	36.22
PEAVINE RIDGE	33.36	0	0.15	0.57	2.29	3.83	5.52	6.57	7.05	5.21	0.45	1.18	0.54	0.03	1.52	0	34.19
PLACERVILLE	27.58	0	T	0.08	1.50	4.42	4.94	6.52	4.41	3.87	0.51	1.01	0.32	T	0.85	T	28.35
PLACERVILLE 1 F C	29.87	0	0	0.16	1.77	5.08	4.64	7.07	4.84	4.15	0.70	1.20	0.26	0.06	1.11	0	30.88
PLACERVILLE DISPOSAL PLT	27.00	0	0	0	1.50	5.10	4.00	6.50	4.40	3.60	0.40	0.90	0.60	0	0.70	0	27.70
REPRESA	14.68	0	0	0.06	0.23	1.94	1.24	3.71	3.19	2.84	0.47	0.76	0.24	0	0.22	0.01	14.85
ROBBS PEAK POWERHOUSE	38.90	0	0.80	1.10	2.20	4.90	5.50	8.50	7.70	5.80	0.60	1.50	0.30	0	2.10	0.10	39.20
TODD VALLEY	29.49	T	T	0.15	2.06	4.35	5.49	6.04	5.89	3.97	0.49	1.00	0.05	0.07	1.32	0.09	30.82
TWIN LAKES	34.73	0.14	2.15	1.45	1.34	3.91	4.23	7.77	6.32	4.30	0.90	2.02	0.20	0.12	2.27	0.12	33.50
UNION VALLEY	40.32	0	0.06	0.99	2.14	4.76	7.56	8.49	8.59	5.61	0.53	1.32	0.27	0.03	1.48	0	40.78
CACHE CREEK A8																	
ADOBE CREEK	--	0	0	0.05	1.96	2.74	15.49	20.91	--	--	--	--	--	0	1.13	0	--
BROOKS FARNHAM RANCH	16.90	0.02	0	0.15	0.41	1.19	2.25	6.43	2.78	3.22	0.37	0.08	T	0	0.27	0	17.00
CAPAY 4 W	19.24	0	0	0.13	0.33	1.36	2.16	8.77	2.90	2.88	0.25	0.03	0.43	0	0.64	0	19.75
CLEARLAKE HIGHLANDS	22.90	0	0	0.11	0.67	2.40	2.10	9.30	4.25	2.92	0.67	0.48	0	0	0.49	T	23.28
COBB	60.91	0	0.05	0.05	2.75	6.32	11.23	23.60	8.29	6.34	1.50	0.78	0	0	2.08	0.10	62.99
COBB 2 NW	--	0	0.03	0.07	2.04	--	7.46	18.72	5.92	5.75	--	0.80	0	0	1.46	0	--
CUNNINGHAM	--	0	0	0.05	1.53	2.91	5.08	--	4.31	3.67	0.63	0.43	0	--	0.98	0.05	--
FINLEY 1 SSE	26.26	0	0	0.05	1.27	2.48	4.42	9.40	4.42	3.04	0.61	0.57	0	0	0.93	0.02	27.16
FINLEY 5 SW	35.34	0	T	0.03	1.70	3.53	5.93	12.07	5.30	5.15	0.79	0.84	0	0	1.13	0.20	36.64
H BAR H	34.17	0	0.44	0.09	1.21	2.13	7.18	12.05	5.82	4.05	0.98	0.22	0	0	1.11	0	34.75
HIGH VALLEY MITCHELL	30.22	0	0	0.05	1.04	3.04	4.98	10.29	5.83	3.54	0.81	0.64	T	0	1.56	0	31.73
HOBERGS	42.89	0	0	0.05	2.16	4.95	6.93	14.52	6.41	5.59	0.55	1.73	0	0	1.49	0	44.33
HOPLAND 8 NE	--	0	0	--	--	--	--	--	--	--	0.43	--	0	0	--	--	--
KELSEYVILLE	25.72	0	0.01	0.06	1.36	2.31	4.32	9.73	3.78	2.91	0.76	0.48	0	0	0.69	0.02	26.36
KELSEYVILLE 2 N	24.46	0	0	0.06	1.23	1.42	4.34	9.23	3.90	2.77	0.67	0.84	0	0	0.85	0	25.25
LAKEPORT	27.32	0	0.03	0.03	1.36	2.95	4.14	9.74	4.89	3.05	0.67	0.46	0	0	1.63	0.06	28.95
LAKEPORT 3 W	35.96	0	T	T	1.43	3.73	5.77	14.39	5.60	4.14	0.65	0.25	0	0	1.86	0	37.82
LAKEPORT USSCS	25.17	0	0	0	1.20	2.79	3.90	9.20	4.44	2.99	0.40	0.25	0	0	1.20	0	26.37
LEESVILLE KEEGAN RANCH	24.31	0	0	0.23	0.59	1.80	3.58	9.25	4.96	2.56	0.55	0.34	0.45	0	1.00	0	25.08
LONG VALLEY GARNER	29.37	0	0	T	1.25	3.00	4.47	10.77	5.38	3.32	0.56	0.62	T	0	1.60	0.03	31.00
LOWER LAKE	32.14	T	0	0.10	0.89	3.12	5.50	12.69	5.48	3.39	0.76	0.21	0	0	0.62	T	32.64
MAHNKE	39.09	0	0.04	0.03	1.89	4.16	6.14	15.23	5.06	4.88	0.90	0.76	0	0	2.40	0.05	41.47
MORGAN VALLEY STANLEY	28.65	T	T	0.07	1.23	2.49	5.31	10.45	4.36	3.87	0.58	0.28	0.01	0	0.77	0.03	29.38
RUMSEY 1 NW	22.70	T	T	0.13	0.70	1.58	3.01	9.34	3.20	3.61	0.79	0.01	0.33	0	0.38	0	22.95
UPPER LAKE 7 W	32.58	0	T	0	1.96	3.56	4.73	10.89	5.00	5.05	0.49	0.90	T	0	1.66	0.17	34.41
UPPER LAKE RANGER STATION	--	0	0	0.04	1.55	3.52	5.03	RE									
WINTERS SCOTT RANCH	16.46	0.02	T	0.08	0.23	1.85	1.39	6.38	3.12	2.78	0.22	0.39	0	0	1.07	T	17.43
PUTAH CREEK A9																	
BERRYESSA LAKE	19.90	0	0	0.16	0.73	1.63	2.57	7.58	3.30	3.09	0.24	0.60	0	0	0.64	0	20.38
MIDDLETOWN	39.77	0	0	0.13	1.71	4.18	6.02	14.92	6.27	5.35	0.82	0.37	0	0	1.08	0	40.72
MIDDLETOWN 4 WSW	63.18	0	T	0.20	3.50	7.32	10.07	20.58	10.43	8.43	1.20	1.45	0	T	2.23	0.10	65.31
MONTICELLO DAM	18.94	0.07	0	0.10	0.56	1.20	2.22	7.63	3.20	3.36	0.35	0.25	0	0	0.20	0	18.97
PLEASANTS VALLEY	18.98	T	0	0.06	0.36	1.47	2.33	7.56	3.74	2.71	0.32	0.43	T	0	0.02	0	18.94
SAINT HELENA 7 NE	25.09	0	0	0.12	0.82	2.33	4.02	9.28	4.21	3.46	0.29	0.56	0	0	1.31	0.02	26.30
SAN JOAQUIN RIVER BASIN																	
SAN JOAQUIN VALLEY FLOOR B0																	
BELLOTA ANDERSON	11.10	0	0	0.07	0.39	1.68	2.04	1.53	1.83	2.95	0.39	0.22	0	0	0	0	11.03
BUENA VISTA	16.82	0	0	T	0.60	3.29	1.94	4.42	2.32	3.38	0.32	0.55	0	0.25	0.15	0	17.22
CAMANACHE DAM	--	0	0	0.03	0.46	2.83	1.74	RE									
CAMANACHE NORTH STATION	14.48	0	0	0.06	0.52	2.90	1.67	3.95	1.99	2.87	0.26	0.23	0.03	0	0.07	0	14.49
CAMANACHE SOUTH STATION	15.14	0	0	0.03	0.59	2.10	1.84	4.40	2.01	3.50	0.33	0.29	0.05	0	0.07	0	15.18
CENTRAL VALLEY HATCHERY	12.67	0	0	0.03	0.17	1.15	1.96	3.71	2.18	2.04	0.53	0.85	0.05	T	0.05	0	12.69
CLAY 1 NW	11.66	T	T	0.03	0.19	1.42	1.45	3.14	2.29	2.05	0.40	0.59	0.10	T	0	0.01	11.64
CLEMENTS	12.88	0	0	0.04	0.28	1.52	1.73	3.69	1.96	2.86	0.32	0.48	0	0	0.02	0	12.86
ELK GROVE FIRE DEPARTMENT	11.55	0	0	0	0.07	1.11	1.36	3.47	1.98	2.13	0.50	0.88	0.05	RE			
ELLIOTT	11.78	0.01	T	0.05	0.24	1.52	1.40	3.12	2.12	2.39	0.46	0.40	0.07	0	0.01	0.01	11.74



TABLE A-2 (Cont.)  
PRECIPITATION DATA

Precipitation in Inches

Station Name	Total July 1 to June 30	1967						1968						Total Oct. 1 to Sept. 30			
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
SAN JOAQUIN RIVER BASIN																	
SAN JOAQUIN VALLEY FLOOR B0																	
ESCALON SWANSON	9.71	0	0	0.02	0.29	1.08	1.32	2.60	1.28	2.69	0.27	0.16	0	0	0.02	0	9.71
GALT	12.17	0	0	0.03	0.42	1.48	1.38	3.32	2.02	2.57	0.51	0.32	0.12	0	0.04	0.01	12.19
HERALD FIRE STATION	10.68	0	0	0	0.11	1.22	1.28	3.05	1.82	2.00	0.90	0.22	0.08	0	0.03	0	10.71
HUNT RANCH	13.32	0	0	0.02	0.47	1.44	1.71	4.13	2.20	2.73	0.33	0.29	T	0	0.04	0	13.34
IONE	17.12	0	0	0.03	0.66	2.86	2.08	4.56	2.45	3.20	0.26	1.02	0	0	0.18	0.02	17.29
IONE 2 NW	19.71	T	T	0.04	0.75	3.13	2.55	4.74	2.91	3.65	0.23	1.71	T	T	0.25	T	19.92
JENNY LIND 3 SW	10.83	T	T	0.03	0.47	1.38	1.97	1.85	1.88	2.58	0.34	0.27	0.08	0	0.09	0	10.89
KJOY RADIO	--	0	0	0.03	0.16	1.12	1.09	2.79	1.64	2.59	--	RE					
LINDEN FIRE STATION	13.12	0.07	0	0.05	0.29	1.66	1.81	3.93	1.74	2.97	0.38	0.22	0	0	0.02	0	13.02
LINN RANCH	12.56	T	0	0.06	0.30	1.33	1.52	3.79	1.91	2.88	0.40	0.36	0.01	0	0.01	0	12.51
LOCKEFORD	12.16	T	0	0.05	0.22	1.33	1.71	3.55	1.87	2.69	0.42	0.30	0.02	0	0	T	12.11
LOCKEFORD 5 ESE	15.74	T	T	0.06	0.39	2.79	1.83	4.30	2.23	3.53	0.35	0.21	0.05	0	0.03	T	15.71
LODI	11.31	T	0	0.04	0.19	1.35	1.20	3.15	1.93	2.64	0.52	0.27	0.02	0	T	0	11.27
LODI S P	--	0	0	0.02	0.48	1.16	1.55	2.21	RE								
LODI 3 W	11.57	0	0	0.30	0	1.42	1.18	3.14	1.79	2.89	0.51	0.28	0.06	0	0	0	11.27
LODI THOMPSON RANCH	11.34	0	0	0.01	0.33	1.92	0.86	2.87	1.73	2.70	0.65	0.23	0.04	0	0	0.01	11.34
MANTECA	10.75	T	0	0.04	0.18	0.89	1.45	3.63	1.41	2.59	0.36	0.20	0	0	0.07	0	10.78
MARSHALL RANCH	11.83	T	0	0.05	0.23	1.15	1.55	3.55	1.98	2.63	0.40	0.27	0.02	0	0	0	11.78
MILTON	14.51	0	0	0.09	0.47	1.45	2.31	3.74	2.65	3.03	0.37	0.40	0	0	0	0	14.42
OSPITAL RANCH	13.20	0	0	0	0.50	2.00	1.40	3.90	1.90	2.90	0.30	0.30	0	0	0	0	13.20
SACRAMENTO CO BOYS RANCH	14.21	0	0	0	0.26	1.99	1.37	3.65	2.70	3.12	0.33	0.64	0.15	0	0.22	0	14.43
SLOUGHHOUSE 1 SW	15.59	0	0	0.04	0.24	1.94	2.04	4.36	2.82	3.07	0.39	0.58	0.11	0	0.14	T	15.69
SNOW RANCH	12.80	0	0	0	0.40	1.18	2.15	3.13	2.69	2.28	0.64	0.33	0	0	0	0	12.80
STOCKTON WB AIRPORT	12.50	0	0	0.03	0.15	1.27	1.33	4.10	1.74	2.68	1.01	0.19	T	0	0.03	T	12.50
STOCKTON FIRE STATION 4	10.52	0	0	0.06	0.18	0.85	1.85	3.30	1.46	2.28	0.40	0.14	0	0	T	0	10.46
VALLEY SPRINGS 6 SW	13.07	0	0	0.02	0.53	1.44	1.50	4.11	2.16	2.51	0.36	0.42	0.02	0	0.10	0	13.15
WALLACE 1 SE	16.17	0	0	0.01	0.46	2.06	2.48	4.29	2.30	3.90	0.37	0.29	0.01	0	0.05	T	16.21
WHITE ROCK	--	0	0.07	0.05	0.66	2.41	2.19	3.97	3.00	2.96	RE						
YOUNGSTOWN	12.30	0.03	0	0.05	0.24	1.34	1.29	3.39	1.97	2.92	0.75	0.22	0.10	0	0.01	0	12.23
COSUMNES RIVER B1																	
CEDARVILLE TREE FARM	30.89	T	T	0.32	2.29	5.16	3.54	7.54	4.61	4.88	0.82	1.21	0.52	0.04	0.69	0.07	31.37
D'AGOSTINI WINERY	26.74	0	0	0.14	1.53	5.28	3.79	6.32	3.78	3.40	0.72	1.59	0.19	T	0.58	0.08	27.26
DIAMOND SPRINGS	26.87	T	T	0	1.41	4.46	5.12	6.18	4.24	3.69	0.55	1.15	0.07	T	0.84	T	27.71
DRYTOWN VAIRA RANCH	21.50	0	0	0.02	1.01	4.30	2.81	5.74	2.83	3.10	0.50	1.19	0	0	0.30	0	21.78
FIDDLETOWN LYNCH	29.80	0	0	0.14	1.82	4.64	4.37	7.32	4.87	4.13	0.84	1.33	0.34	0.09	0.50	0.03	30.28
LEHMAN RANCH	19.86	T	T	0.10	0.95	2.84	2.91	4.39	3.91	3.01	0.67	0.93	0.15	0.01	0.35	0.03	20.15
LOCTOWN RIDGE	24.76	0	0	0.23	1.53	4.54	3.54	5.19	4.30	3.87	0.34	1.20	0.02	T	0.56	0.09	25.18
PINE GROVE CONS CAMP	30.71	0	0	0.04	2.09	4.60	5.70	6.64	5.60	3.92	1.26	0.64	0.22	0	0.65	0.04	31.36
PLYMOUTH 3 NE	25.28	0	0	0.11	1.25	5.91	3.08	6.04	3.55	3.36	0.57	1.41	0	0	0.50	0	25.67
PLYMOUTH 6 WNW	19.31	0	0	0.05	1.00	2.84	2.56	4.82	3.60	2.88	0.47	1.09	T	0	0.20	0.07	19.53
RIVER PINES	27.96	0	0	0.10	1.59	4.80	4.28	6.38	4.24	3.79	0.83	1.83	0.12	0.06	0.44	0.06	28.42
SHINGLE SPRINGS	24.56	T	0	0.20	1.30	4.30	4.17	5.71	4.45	3.18	0.32	0.88	0.05	0	0.65	T	25.01
SLY PARK	35.09	0	0.04	0.60	2.44	4.43	5.90	7.30	6.11	5.79	0.70	1.51	0.27	0.12	1.05	0.05	35.67
SOMERSET 5 ESE	27.78	0	0.02	0.39	2.32	4.37	3.36	6.56	4.58	4.21	0.70	1.10	0.17	0.19	1.01	0.06	28.63
MOKELUMNE-CALAVERAS RIVERS B2																	
ALTAVILLE CDF	19.63	0	0	0.07	1.39	1.93	2.68	5.05	4.24	2.91	0.66	0.65	0.05	0	0.15	0	19.71
CALAVERAS BIG TREES	36.24	0	T	0.97	1.82	4.03	8.16	7.75	6.25	5.27	0.73	1.26	T	0.08	1.34	0	36.69
CAMP PARDEE	17.96	0	0	0.05	0.92	3.03	2.46	4.93	2.56	3.19	0.42	0.40	T	T	0.30	0	18.21
DOUBLE SPRINGS RANCH	--	0	0	0.13	1.17	2.09	--	4.41	2.83	2.69	0.52	0.59	0.08	0	0.12	--	--
ELECTRA POWERHOUSE	22.46	0	0	0.08	1.60	3.53	3.01	5.32	4.02	2.94	1.01	0.76	0.19	0	0.31	0	22.69
HOGAN DAM	15.36	0	0	0.04	0.89	1.79	2.52	4.02	2.34	2.78	0.41	0.57	T	0	0.11	T	15.43
JACKSON 1 NW	21.85	0	0	0.04	1.10	4.15	3.06	5.30	3.55	3.21	0.73	0.71	0	0	0.35	0.05	22.21
MOKELUMNE HILL	22.45	0	0	0.06	1.48	3.11	3.50	4.86	4.41	3.09	0.91	0.70	0.33	0	0.34	0	22.73
MOKELUMNE HILL 5 E	25.32	0	0	0.09	1.96	4.66	2.80	5.79	4.25	3.69	0.97	0.96	0.15	0	0.29	0	25.52
MOUNTAIN RANCH 2 NW	27.25	0	0	0.22	2.43	3.72	3.97	5.62	5.41	4.22	0.91	0.70	0.05	T	0.55	0	27.58
MURPHYS 2 N	25.34	0	0	0.26	1.72	2.85	4.70	6.10	4.50	3.59	0.68	0.87	0.07	0	0.42	0	25.50
PRESTON SCHOOL	17.79	0	0	0.04	0.67	2.92	2.00	4.54	2.63	3.37	0.23	1.39	T	0	0.20	0.01	17.96
RAILROAD FLAT	27.55	0	0	0.16	2.40	3.80	4.17	5.67	4.74	4.50	0.95	0.98	0.18	0	0.59	0	27.98
RAILROAD FLAT ADR	26.00	0	0	0.20	2.20	4.20	3.40	5.00	4.60	4.40	0.80	1.10	0.10	0	0.60	0	26.40
SALT SPRINGS POWERHOUSE	31.13	0	0.75	2.21	1.49	3.39	4.37	7.08	5.62	4.18	0.74	1.15	0.15	0.02	0.95	0.16	29.30
SAN ANDREAS	20.86	0	0	0.06	1.33	2.22	3.09	5.14	3.80	3.24	1.17	0.71	0.10	0	0.72	0	21.52
SAN ANDREAS 2 S	20.88	0	0	T	1.22	2.27	3.70	4.63	4.44	2.96	0.94	0.50	0.22	0	0.22	0	21.10
SAN ANDREAS RANGER STN	20.21	0	0	0.07	1.33	2.23	2.83	4.82	3.58	3.26	1.18	0.81	0.10	0	0.14	0	20.28
SHEEP RANCH	23.80	0	0	0.30	1.90	3.70	3.30	5.30	4.10	3.50	0.70	0.90	0.10	0	0.30	0	23.80
SUTTER HILL RANGER STN	23.26	0	0	0.03	1.25	3.82	3.42	5.86	3.73	3.50	0.72	0.93	T	T	0.53	0.06	23.82
TIGER CREEK POWERHOUSE	30.56	0	0	0.50	2.22	4.13	4.57	6.75	5.55	5.06	0.86	0.91	0.01	0.20	0.93	0.01	31.20
VALLEY SPRINGS	16.46	0	0	T	0.92	1.82	2.83	4.39	2.45	3.11	0.41	0.53	0	0	0.19	0	16.65
WEST POINT 3 SW	29.27	0	0	0.14	2.30	3.68	4.38	6.87	5.22	4.32	1.01	1.26	0.09	T	0.61	0.06	29.80
WILSEYVILLE SCHAADS	27.73	0	0	0.95	1.84	2.75	4.86	6.15	5.14	4.22	0.68	1.14	0	0	0.62	0	27.40
SAN JOAQUIN VALLEY WEST SIDE B8																	
ALTAMONT 4 E	8.90	0	0	0	0.11	0.74	1.45	3.16	1.05	1.82	0.42	0.15	0	0	T	0	8.90
ANTIO																	



TABLE A-2 (Cont.)  
PRECIPITATION DATA

Precipitation in Inches																	
Station Name	Total July 1 to June 30	1967						1968						Total Oct. 1 to Sept. 30			
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June		July	Aug.	Sept.
SAN JOAQUIN RIVER BASIN																	
SAN JOAQUIN VALLEY WEST SIDE B8																	
MEGANOS PUMPING STATION	--	0	0	0	0.09	0.80	0.85	3.46	1.30	1.69	0.52	RE					
PITTSBURG DOW CHEMICAL	9.43	0	0	0.02	0.24	0.92	1.28	3.82	1.51	1.36	0.28	0	0	0	0.01	0	9.42
SACRAMENTO-SAN JOAQUIN DELTA B9																	
ANTIOCH FIBREBOARD	9.63	0	0	0.04	0.22	0.90	1.18	3.91	1.52	1.48	0.32	0.06	0	0	0.65	0	10.24
BRANNAN ISLAND	11.53	0	0	0.05	0.18	0.85	1.36	4.13	2.17	2.38	0.31	0.10	0	0	0.42	0	11.90
BRENTWOOD	8.66	0	0	0	0.11	0.75	1.02	3.57	1.30	1.41	0.50	T	0	0	1.76	0	10.42
CLARKSBURG	11.54	0	0	0.03	0.21	1.06	1.21	3.90	2.21	2.41	0.36	0.11	0.04	0	T	T	11.51
DIXON VOICE OF AMERICA	11.93	0	0	0	0.33	1.28	1.56	4.10	2.06	2.35	0.20	0.05	0	0	0.14	0	12.07
GRAND ISLAND RD 3	12.72	0	0	0.05	0.32	1.26	1.61	4.18	2.15	2.62	0.46	0.07	0	0	0.42	0	13.09
HOLT 2 ESE	9.51	0	0	0	0.22	0.88	1.35	3.08	1.39	2.07	0.46	0.06	0	0	0	0	9.51
RIO VISTA	11.50	0	0	0	0	0.96	1.25	4.29	2.30	2.22	0.34	0.14	0	0	0.78	0	12.28
RIO VISTA 4 NW	11.26	0	0	0.09	0.21	1.14	1.04	3.82	2.36	1.93	0.52	0.15	0	0	1.54	0	12.71
STOCKTON DISPOSAL PLANT	10.01	0	0	0.03	0.16	1.16	1.29	3.26	1.37	2.01	0.39	0.34	0	0	0	0	9.98
THORNTON 3 SSE	11.97	0	0	0	0.25	0.50	2.19	3.66	1.72	2.92	0.51	0.22	0	0	0.02	0	11.99
TRACY FIRE STATION	7.14	0	0	0.03	0.10	0.70	0.86	2.60	0.95	1.26	0.45	0.19	0	0	0.24	0	7.35
TRACY SP	9.36	0	0	0.08	0.13	1.50	1.34	2.92	1.03	1.70	0.34	0.32	0	0	0.30	0	9.58
TRACY 2 SSE	8.10	0	0	0	0.10	0.86	0.97	2.70	0.92	1.74	0.62	0.19	0	0	1.15	0	9.25
TRACY CARBONA	9.00	0	0	T	0.08	0.64	1.37	2.90	1.09	1.91	0.70	0.31	0	0	2.49	0	11.49
TRACY PUMPING PLANT	8.40	0	0	0	0.09	0.66	0.92	3.32	1.33	1.64	0.44	T	0	0	0.60	0	9.00
UNION ISLAND	10.19	T	0	0.06	0.29	0.94	1.17	3.41	1.51	2.17	0.50	0.14	T	0	1.04	0	11.17
WALNUT GROVE	10.24	0	0	0	0.16	0.83	1.35	3.14	1.85	2.35	0.45	0.11	0	0	0	0	10.24
WALNUT GROVE LEARY	12.28	0	0	0.03	0.22	1.16	1.87	3.73	2.23	2.47	0.48	0.09	0	0	0	0	12.25
NORTH LAHONTAN AREA																	
SURPRISE VALLEY G1																	
CEDARVILLE	9.79	0.19	0.11	0.15	0.99	1.67	0.63	1.26	1.95	0.82	0.40	1.02	0.60	T	1.77	0.06	11.17
CEDARVILLE HANSEN	6.17	0.30	0.08	0.17	0.53	0.95	0.36	0.30	1.24	0.44	0.43	0.81	0.56	0	1.58	0.09	7.29
CEDARVILLE 12 SE	6.43	0.44	0.05	0.36	0.12	1.26	0.42	0.48	1.39	0.04	0.49	0.78	0.60	0	2.10	0	7.68
EAGLEVILLE 2 SE	--	0.65	0	0.20	0.72	1.24	0.49	--	1.85	0.31	0.10	0.60	0.67	0	2.26	0	--
EAGLEVILLE 2 S	--	0.61	--	--	--	--	1.00	0.53	2.82	0.60	0.16	--	--	--	--	--	--
FORT BIDWELL	11.02	0.32	0.15	0.11	1.08	0.76	1.60	1.66	2.68	0.87	0.31	0.63	0.85	0	1.75	0	12.19
MADELINE PLAINS G2																	
MADELINE HMS	8.78	0.23	0.18	0.45	0.39	1.09	0.74	1.46	1.55	0.49	0.18	1.44	0.58	0	2.38	0	10.30
RAVENDALE JIM MARR	6.33	0.75	0.24	0.25	0.33	0.80	0.62	0.85	1.11	0.14	0.07	0.74	0.43	0.10	2.02	0	7.21
RAVENDALE 5 ESE	--	0.43	0.07	0.15	0.47	1.14	--	1.00	0.66	0.27	0	0.69	0.87	0.07	1.52	0	--
TERMO 6 SW	10.08	0.10	0.38	0.32	1.24	1.88	1.01	1.76	1.03	0.26	0	1.69	0.41	0.20	1.69	0	11.17
TERMO	10.89	0.18	0.17	0.23	0.74	1.73	2.79	1.61	1.09	0.56	0.08	1.20	0.51	0.20	1.25	0	11.76
EAGLE LAKE G3																	
EAGLE LAKE NELSON	13.75	0.07	0.05	0.15	1.06	2.09	1.90	5.34	0.74	1.10	0.03	0.78	0.44	0.61	1.47	0.02	15.58
SUSAN RIVER G4																	
FLEMING FISH AND GAME	8.07	0.19	0.06	0.19	0.84	1.36	0.71	1.47	0.87	0.41	0.08	1.23	0.66	0.44	0.57	0	8.64
LASSEN CONSERVATION CAMP	6.62	T	T	0.53	1.28	1.22	0.95	2.11	0.17	0.11	T	0.25	0	0.10	0.40	0	6.59
SECRET VALLEY	5.95	0.35	0.30	0.21	0.63	1.19	0.62	1.06	0.55	T	0	0.48	0.56	0.08	1.06	T	6.23
STANDISH 1 E	7.99	0.19	0.24	0.31	0.98	1.11	0.83	1.87	0.89	0.38	0.10	0.44	0.65	T	0.91	0	8.16
SUSANVILLE AIRPORT	12.37	0.45	0	0.35	1.34	1.46	1.36	4.98	1.15	0.82	0.12	0.07	0.27	0.74	0.63	0	12.94
SUSANVILLE 1 WNW	12.00	0.29	0	0.25	1.05	1.61	1.65	4.37	1.28	0.95	0.07	0.25	0.23	0.11	0.73	0	12.30
SUSANVILLE COURTHOUSE	12.94	0.21	0	0	1.32	1.63	1.02	5.64	1.45	1.17	0	0.30	0.20	0.20	0.73	0	13.66
WENDEL 1 E	5.75	0.16	0.10	0.17	0.36	1.05	0.22	1.10	0.92	0.40	0.05	0.62	0.60	0.25	0.36	0	5.93
WILLOW CREEK MURRER RANCH	10.81	0.27	0.08	0.22	1.49	2.20	1.75	0.97	1.91	1.04	0.03	0.60	0.25	0.38	1.35	0.08	12.05
HERLONG G6																	
DOYLE	8.28	0.37	0.30	0.34	1.78	0.59	1.28	1.40	0.90	0.49	0.26	0.33	0.24	0.07	0.44	T	7.78
DOYLE 5 SSE	12.56	0.51	0.60	0.70	1.88	1.00	2.18	1.88	1.62	0.93	0.56	0.46	0.24	0.30	1.00	0.02	12.07
HERLONG S O D	5.19	0.55	0.02	0.13	0.60	0.42	0.52	0.93	0.30	0.50	0.21	0.64	0.37	0.07	0.31	0	4.87
LONG VALLEY INSP STATION	8.12	0.16	0.23	0.85	1.28	0.57	1.29	1.10	0.67	0.97	0.23	0.47	0.30	0.05	0.52	T	7.45
MILFORD	9.97	0.11	0.03	0.21	1.75	1.25	1.55	2.22	1.29	1.04	0.19	0.03	0.30	T	0.62	0	10.24
MILFORD LAUFMAN RANGER STN	12.57	0.26	0.08	0.26	1.50	1.40	2.19	3.25	1.36	1.41	0.39	0.14	0.33	0.01	0.57	0	12.55
OTIS CANYON	8.12	0.17	0	0.07	1.65	0.94	0.76	2.11	0.78	0.80	0	0.61	0.23	0	1.07	0	8.95
STACY	4.82	0.39	0	0.40	0.26	0.80	0.40	0.63	0.91	0.37	0.03	0.22	0.41	0.12	0.29	0	4.44
WENDEL 10 SE	5.22	0.28	0.05	0.10	0.26	0.62	0.50	1.59	0.71	0.50	0	0.35	0.26	0.10	0.18	0	5.07
TRUCKEE RIVER G7																	
BOCA	17.30	0.24	0.81	0.95	1.20	1.53	2.55	3.64	2.77	1.67	0.44	1.03	0.47	0	0.74	0.30	16.34
D L BLISS STATE PARK	35.40	T	0.48	1.15	1.70	2.89	7.80	8.21	7.24	4.23	0.39	0.96	0.35	0.33	1.22	0.33	35.65
DONNER MEMORIAL STATE PARK	33.28	0.08	0.50	1.22	1.28	2.84	5.45	7.46	6.29	3.66	0.16	1.35	2.99	0.08	1.69	0.32	33.57
GLENBROOK, NEVADA	17.43	0.62	0.21	1.27	0.97	2.90	2.07	2.59	3.08	1.46	0.18	1.35	0.73	0.28	0.15	0.32	16.08
MEYERS INSPECTION STATION	31.20	T	1.79	0.72	1.62	2.65	3.89	6.56	7.02	3.63	0.69	2.14	0.49	0.24	1.47	0.06	30.46
MEYERS RANGER STATION	29.42	0.04	1.64	0.85	1.86	2.51	3.69	6.49	5.87	3.31	0.54	2.12	0.50	0.31	1.52	0.15	28.87
RENO, NEVADA	6.77	0.57	1.22	0.82	0.04	0.22	0.55	1.11	0.92	0.84	0.02	0.30	0.16	0.05	0.13	0.15	4.49

TABLE A-2 (Cont.)  
PRECIPITATION DATA

Precipitation in inches

Station Name	Total July 1 to June 30	1967						1968									Total Oct. 1 to Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
NORTH LAHONTAN AREA																	
TRUCKEE RIVER G7																	
SAGEHEN CREEK	26.08	0.33	1.75	0.95	1.52	2.34	4.01	5.42	5.02	3.00	0.41	0.71	0.62	0.07	1.45	0.15	24.72
SQUAW VALLEY	45.73	0.02	0.69	1.54	2.14	4.78	6.79	10.47	10.80	5.46	0.79	1.44	0.81	1.11	2.59	0.40	47.58
TAHOE CITY	24.57	0	0.53	0.85	1.37	2.18	4.32	5.26	4.89	3.41	0.40	0.81	0.55	T	1.18	0.20	24.57
TRUCKEE RANGER STATION	26.62	0.18	0.77	0.92	1.42	2.19	4.74	7.24	4.05	3.26	0.36	0.75	0.74	T	1.06	0.34	26.15
CARSON RIVER G8																	
CARSON CITY, NEVADA	7.69	0.44	0.41	0.60	0.12	0.36	1.20	1.16	0.90	0.98	T	1.20	0.32	0.02	0.32	0.39	6.97
GROVER HOT SPRINGS	25.95	1.14	1.99	1.27	1.33	2.48	2.97	5.43	3.80	3.02	0.58	1.87	0.07	0.19	0.84	0.05	22.63
MARKLEEVILLE	19.98	1.56	1.43	1.57	0.75	1.78	1.74	3.27	2.55	2.59	0.33	2.16	0.25	0.40	0.40	0.10	16.32
MINDEN, NEVADA	6.19	0.76	0.07	0.68	0.07	0.43	0.25	0.46	0.73	1.08	T	1.57	0.09	0.22	T	0.22	5.12
VIRGINIA CITY, NEVADA	--	0.20	--	1.92	--	--	--	0.77	1.14	0.62	0.20	2.02	0.65	T	0.89	0.14	--
WOODFORDS	20.46	2.04	0.24	2.18	1.34	3.70	1.34	3.05	1.92	2.10	0.54	1.86	0.15	0.37	0.34	0.08	16.79
WALKER RIVER G9																	
BODIE	12.08	1.48	2.51	1.96	0.13	1.17	1.14	0.30	0.53	0.51	0.77	1.10	0.48	2.47	0.34	0.09	9.03
BRIDGEPORT	6.78	0.41	0.66	1.39	0	0.69	0.82	1.33	0.64	0.39	0.03	0.12	0.30	0.69	0.26	0.47	5.74
BRIDGEPORT RANGER STATION	10.00	0.75	1.03	1.63	0	1.09	1.05	1.61	1.14	0.92	0.05	0.25	0.48	0.49	0.05	0.43	7.56
SONORA JUNCTION	15.56	1.06	1.65	1.96	0.24	1.66	1.33	2.30	1.48	1.56	0.50	1.40	0.42	1.25	0.24	0.23	12.61
TOPAZ LAKE	13.52	2.99	0.48	2.21	0	0.85	0.92	2.42	0.73	1.80	0.13	0.39	0.60	0.17	0.48	0.23	8.72
TOPAZ LAKE, NEVADA	10.23	3.03	0.93	1.41	0	0.74	0.48	1.12	0.49	1.32	0.05	0.44	0.22	0.66	0.01	0.18	5.71
WELLINGTON R S, NEVADA	7.86	0.85	0.39	1.66	0	0.79	0.32	0.95	0.41	0.98	0.55	0.49	0.47	0.12	0.07	0.07	5.22
SOUTH LAHONTAN AREA																	
MONO LAKE VO																	
CONWAY SUMMIT	14.73	1.58	0.79	0.95	0.01	2.17	2.65	1.80	3.50	0.42	0.33	0.30	0.23	0.98	T	0.40	12.79
MONO LAKE	8.86	1.27	0.19	1.25	T	2.04	0.88	1.28	1.23	0.69	T	0.02	0.01	1.21	0.24	0.10	7.70



TABLE A-3  
STORAGE GAGE PRECIPITATION DATA  
NORTHEASTERN CALIFORNIA

Station	Agency	1967-68 Season		
		Measurement Period	Precipitation in Inches	
SACRAMENTO RIVER BASIN				
PIT RIVER A1				
BLACKS MOUNTAIN	DWR Northern District	7-13-67	8-21-68	21.69
BUTTE LAKE	DWR Northern District	7- 2-67	7- 3-68	33.60
DEAD HORSE RESERVOIR 2 SE	DWR Northern District	7-12-67	7-17-68	NR
LASSEN CREEK UPPER	DWR Northern District	7-12-67	7-17-68	13.69
LONG BELL STATION	DWR Northern District	7-13-67	7-18-68	23.48
MEDICINE LAKE	DWR Northern District	7-13-67	8-20-68	37.91
PATTERSON MEADOW	DWR Northern District	7-11-67	7-16-68	20.27
PEPPERDINES CAMP	DWR Northern District	7-11-67	7-16-68	23.41
SWEAGERT FLAT	DWR Northern District	7-10-67	7-15-68	19.48
SHASTA LAKE A2				
MT. SHASTA SLOPE	DWR Northern District	7-12-67	7-10-68	50.33
STOUTS MEADOW	DWR Northern District	7-18-67	7-11-68	56.82
SACRAMENTO VALLEY WEST SIDE A3				
ALDER SPRINGS	COE Sacramento District	7- 6-67	7-25-68	28.08
BALL MOUNTAIN LOOKOUT	DWR Northern District	7-10-67	8-15-68	39.84
LOG SPRING	COE Sacramento District	7- 5-67	7-25-68	25.28
NOEL SPRING	COE Sacramento District	7- 6-67	7-25-68	35.28
SADDLE CAMP RANGER STATION	DWR Northern District	7-11-67	8-22-68	29.80
TROUGH SPRING	COE Sacramento District	7- 5-67	7-26-68	36.22
SACRAMENTO VALLEY NORTHEAST A4				
DEER CREEK FLAT	DWR Northern District	7-26-67	8-16-68	26.32
DEWITT PEAK 2 WSW	DWR Northern District	7-25-67	8-16-68	20.28
HOGBACK ROAD	DWR Northern District	7-19-67	8-13-68	21.26
MCCARTHY POINT	DWR Northern District	7-21-67	8-14-68	29.58
TWENTY MILE HOLLOW	DWR Northern District	7-20-67	8-14-68	20.68
FEATHER RIVER A5				
CAMEL PEAK	DWR Central District	11- 1-67	6-25-68	32.54
		6-25-68	9-24-68	1.92
CLARKS PEAK 1 NE	DWR Central District	6-28-67	6-26-68	21.45
		6-26-68	9-25-68	0.80
CLOVER VALLEY	DWR Central District	6-29-67	6-27-68	16.17
		6-27-68	9-26-68	0.53
GRANITE SPRINGS	DWR Central District	6-29-67	6-27-68	NR
		6-27-68	9-26-68	NR
LIGHTS CREEK	DWR Central District	6-28-67	6-26-68	28.81
		6-26-68	9-25-68	1.62
LITTLE LAST CHANCE VALLEY	DWR Central District	6-29-67	6-27-68	11.92
		6-27-68	9-26-68	0.62
MT. HOUGH SNOW COURSE	DWR Central District	6-27-67	6-25-68	40.91
		6-25-68	9-25-68	0.87
ONION VALLEY	DWR Central District	6-27-67	6-25-68	49.47
		6-25-68	9-24-68	1.75
SWAIN MOUNTAIN	DWR Central District	6-28-67	6-26-68	43.59
		6-26-68	9-25-68	3.13
THREE MILE VALLEY	DWR Central District	6-29-67	6-27-68	30.87
		6-27-68	9-27-68	0.83

TABLE A-3 (Continued)  
 STORAGE GAGE PRECIPITATION DATA  
 NORTHEASTERN CALIFORNIA

Station	Agency	1967-68 Season		
		Measurement Period		Precipitation in Inches
SACRAMENTO RIVER BASIN				
YUBA-BEAR RIVERS A6				
CAMP PIONEER SKI SHELTER	US Forest Service	9-15-67	8-26-68	37.05
CISCO	US Weather Bureau	7-17-67	5-23-68	53.50
SODA SPRINGS 1 E	COE Sacramento District	7-20-67	7-19-68	50.48
AMERICAN RIVER A7				
BRUSHY SPRINGS GUARD STATION	DWR Central District	6-28-67	7- 2-68	42.39
		7- 2-68	10- 8-68	1.81
FORNI RIDGE	DWR Snow Surveys	9-25-67	9-25-68	NR
GERLE CREEK CAMP	DWR Central District	7- 7-67	7- 3-68	44.88
		7- 3-68	10- 4-68	2.16
ROBERTSON FLAT	DWR Central District	7-19-67	7- 2-68	59.88
		7- 2-68	10- 1-68	4.20
TALBOT CAMP	DWR Central District	7-19-67	10- 8-68	66.34
THE CEDARS	DWR Central District	7-14-67	6-27-68	48.33
		6-27-68	10- 1-68	3.07
WESTVILLE	DWR Central District	6-28-67	7- 2-68	41.31
		7- 2-68	10- 1-68	3.02
WRIGHTS LAKE	DWR Central District	7-23-67	7- 3-68	40.07
		7- 3-68	10- 4-68	2.30
WRIGHTS LAKE SNOW COURSE	DWR Snow Surveys	9-25-67	9-25-68	29.41
SAN JOAQUIN RIVER BASIN				
COSUMNES RIVER B1				
LUMBERYARD	DWR Central District	11- 9-67	7- 3-68	39.72
		7- 3-68	10- 4-68	2.61
MOKELUMNE-CALAVERAS RIVERS B2				
HIGHLAND LAKE	DWR San Joaquin District	7-19-67	7-10-68	29.20
NORTH LAHONTAN AREA				
MADELINE PLAINS G2				
DODGE RESERVOIR 3 NNE	DWR Northern District	7-11-67	7-16-68	8.03
EAGLE LAKE G3				
CHAMPS FLAT	DWR Northern District	7-10-67	7-15-68	16.55
TRUCKEE RIVER G7				
BROCKWAY SUMMIT	COE Sacramento District	7-20-67	7-19-68	26.45
INDEPENDENCE LAKE	US Soil Conservation	10-11-67		NR
LOWER MEADOW	USFS Inter Mountain	10- 1-67	9-30-68	24.06
SECOND SUMMIT	USFS Inter Mountain	10- 1-67	9-30-68	23.00



TABLE A-4

TEMPERATURE DATA

The definition of terms and the abbreviations used in connection with Table A-4 are as follows:

MAXIMUM	The highest temperature of record for the month.
MINIMUM	The lowest temperature of record for the month.
AVG MAX	The arithmetic average of daily maximum temperatures for the month.
AVG MIN	The arithmetic average of daily minimum temperatures for the month.
AVERAGE	The arithmetic average of the daily maximum and minimum temperatures for the month.
-	Record incomplete.
RB	Record began.
RE	Record ended.

TABLE A-4 (Cont.)  
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

Station Name		1967						1968								
		July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
SACRAMENTO RIVER BASIN																
SACRAMENTO VALLEY FLOOR A0																
AEROJET	MAXIMUM	110	107	98	89	83	67	65	74	82	91	95	105	107	107	97
	MINIMUM	55	58	57	45	37	27	26	33	36	38	42	51	55	54	48
	AVG MAX	98.6	100.7	92.1	80.1	69.5	55.2	53.0	62.6	67.7	74.8	80.2	91.3	96.1	89.0	90.4
	AVG MIN	63.6	64.6	61.4	52.1	47.8	35.0	35.6	46.9	45.4	46.9	51.0	58.3	61.3	59.1	57.1
	AVERAGE	81.1	82.6	76.8	66.1	58.6	45.1	44.3	54.7	56.6	60.8	65.6	74.8	78.7	74.1	73.8
ARBUCKLE 5 SSW	MAXIMUM	104	111	104	90	91	77	74	76	80	92	96	106	110	107	99
	MINIMUM	51	56	52	47	33	23	21	34	36	38	42	49	54	50	53
	AVG MAX	99.3	101.5	92.9	81.2	66.9	55.2	51.5	62.1	65.9	75.3	80.2	92.7	96.3	89.7	91.1
	AVG MIN	61.2	64.8	60.1	52.7	47.5	38.1	34.8	45.8	43.9	48.8	50.9	59.9	57.9	58.7	58.6
	AVERAGE	80.3	83.2	76.5	67.0	57.2	46.6	43.2	54.0	54.9	62.0	65.5	76.3	77.2	74.2	74.8
ARDEN PARK BAILEY	MAXIMUM	103	104	96	87	82	73	64	74	81	90	95	103	104	103	95
	MINIMUM	52	53	51	38	34	24	23	32	33	34	39	46	52	48	39
	AVG MAX	95.3	97.5	89.6	79.9	66.3	54.5	52.3	63.8	67.3	74.8	79.3	90.1	92.8	87.0	86.6
	AVG MIN	58.5	58.9	56.9	45.8	44.3	32.4	33.7	46.5	43.5	44.0	48.0	54.5	57.5	55.7	53.8
	AVERAGE	76.9	78.2	73.2	62.9	55.3	43.5	43.0	55.2	55.4	59.4	63.6	72.3	75.2	71.4	70.2
CHICO AIRPORT	MAXIMUM	--	--	--	--	--	--	--	--	83	91	99	106	106	102	100
	MINIMUM	--	--	--	--	--	--	--	--	34	37	44	52	61	52	47
	AVG MAX	--	--	--	--	--	--	--	--	68.4	77.2	81.8	93.8	97.1	90.7	92.2
	AVG MIN	--	--	--	--	--	--	--	--	44.6	46.5	53.0	62.2	65.3	61.9	60.2
	AVERAGE	--	--	--	--	--	--	--	--	56.5	61.8	67.4	78.0	81.2	76.3	76.2
CITRUS HEIGHTS	MAXIMUM	103	106	98	89	83	72	65	75	81	91	95	105	108	106	97
	MINIMUM	50	50	48	38	32	24	22	30	27	30	38	47	52	47	44
	AVG MAX	97.5	99.8	92.1	81.7	67.4	55.1	52.8	64.1	68.7	75.1	80.1	92.2	96.9	90.5	89.7
	AVG MIN	56.6	57.0	54.1	46.1	44.2	31.0	33.5	45.3	42.2	43.1	48.5	56.1	57.9	55.6	54.0
	AVERAGE	77.1	78.4	73.1	63.9	55.8	43.1	43.2	54.7	55.4	59.1	64.3	74.2	77.4	73.1	71.9
CITRUS HEIGHTS FIRE STN	MAXIMUM	103	106	98	87	82	67	66	75	82	90	94	105	104	105	97
	MINIMUM	53	53	46	37	31	22	20	29	31	31	36	45	52	45	42
	AVG MAX	96.2	98.5	91.0	80.8	67.1	55.2	52.8	63.7	68.0	75.0	79.3	91.1	93.5	88.3	89.8
	AVG MIN	60.2	61.2	56.9	45.8	43.2	29.0	32.1	43.5	41.9	42.6	48.0	55.6	57.3	55.3	53.3
	AVERAGE	78.2	79.9	73.9	63.3	55.1	42.1	42.4	53.6	54.9	58.8	63.6	73.3	75.4	71.8	71.6
CORNING U H L	MAXIMUM	104	104	99	84	86	73	72	76	80	88	92	101	104	99	97
	MINIMUM	53	58	50	40	33	20	20	34	34	37	40	50	52	51	47
	AVG MAX	97.7	100.1	91.3	77.1	65.8	54.9	51.8	62.4	67.2	74.3	86.7	91.0	95.6	87.7	88.0
	AVG MIN	62.7	64.8	58.6	48.7	44.2	34.8	31.8	43.5	41.7	45.2	49.2	58.9	59.8	58.1	55.8
	AVERAGE	80.2	82.5	75.0	62.9	55.0	44.8	41.8	53.0	54.4	59.8	68.0	75.0	77.7	72.9	71.9
DAVIS UCAP	MAXIMUM	104	106	98	88	86	76	--	--	--	--	--	--	--	--	--
	MINIMUM	49	44	50	42	30	20	--	--	--	--	--	--	--	--	--
	AVG MAX	96.5	98.1	90.9	81.1	69.0	53.8	RE	--	--	--	--	--	--	--	--
	AVG MIN	56.9	55.7	55.6	48.5	42.6	29.7	--	--	--	--	--	--	--	--	--
	AVERAGE	76.7	76.9	73.2	64.8	55.8	41.8	--	--	--	--	--	--	--	--	--
DEL PASO PARK	MAXIMUM	103	105	97	88	84	73	64	74	81	90	96	105	106	104	101
	MINIMUM	54	55	54	40	36	24	22	32	34	34	38	48	54	48	44
	AVG MAX	96.5	98.3	90.8	80.6	68.1	55.3	51.8	62.9	68.2	75.3	80.4	91.7	94.0	87.8	89.0
	AVG MIN	59.4	60.3	58.2	47.4	45.3	32.5	33.4	44.6	44.3	44.4	48.5	56.1	58.9	56.8	54.6
	AVERAGE	78.0	79.3	74.5	64.0	56.7	43.9	42.6	53.8	56.2	59.9	64.4	73.9	76.5	72.3	71.8
DIXON VOICE OF AMERICA	MAXIMUM	102	106	94	87	84	72	64	74	82	88	94	102	104	104	95
	MINIMUM	42	52	52	42	32	20	14	30	34	34	38	46	44	48	44
	AVG MAX	92.9	95.9	88.5	79.7	67.9	54.4	51.7	61.8	66.2	73.3	75.5	88.7	90.8	84.9	86.3
	AVG MIN	55.6	56.5	56.3	46.3	42.9	29.9	30.1	40.1	41.2	42.6	47.0	54.4	54.6	55.2	53.1
	AVERAGE	74.3	76.2	72.4	63.0	55.4	42.2	40.9	51.0	53.7	58.0	61.3	71.6	72.7	70.1	69.7
ELKHORN FERRY	MAXIMUM	100	103	94	85	81	72	57	72	79	88	94	102	99	105	95
	MINIMUM	50	52	51	41	34	25	22	32	36	39	42	48	50	47	44
	AVG MAX	93.0	94.8	87.4	77.7	64.2	52.2	50.6	60.6	65.6	73.5	78.4	89.1	91.0	85.4	85.7
	AVG MIN	57.2	56.2	54.9	45.9	43.2	31.5	34.5	43.7	42.6	44.2	48.1	54.6	55.1	55.4	53.1
	AVERAGE	75.1	75.5	71.1	61.8	53.7	41.8	42.5	52.2	54.1	58.9	63.2	71.9	73.1	70.4	69.4
GRIDLEY BUTTE W D	MAXIMUM	108	107	102	94	92	79	76	79	86	91	100	105	106	107	101
	MINIMUM	56	61	53	45	37	29	24	35	38	38	46	45	57	52	49
	AVG MAX	100.3	101.0	93.4	83.0	70.6	58.7	54.1	63.5	69.7	78.5	81.7	92.5	97.5	89.8	92.7
	AVG MIN	66.1	67.6	61.0	50.1	45.3	35.1	34.5	45.6	44.2	48.1	53.0	61.1	63.3	60.6	58.2
	AVERAGE	83.2	84.3	77.2	66.6	58.0	46.9	44.3	54.5	56.9	63.3	67.3	76.8	80.4	75.2	75.5
GRIDLEY F F S	MAXIMUM	106	106	98	90	88	76	72	78	82	88	96	--	--	--	--
	MINIMUM	50	54	50	38	32	22	20	34	32	34	38	--	--	--	--
	AVG MAX	96.6	98.0	91.3	80.4	68.8	56.8	53.3	63.1	67.5	75.0	78.9	RE	--	--	--
	AVG MIN	59.4	59.6	56.1	44.6	41.6	31.8	31.3	43.8	41.0	44.5	48.4	--	--	--	--
	AVERAGE	78.0	78.8	73.7	62.5	55.2	44.3	42.3	53.5	54.2	59.7	63.7	--	--	--	--
HAMMONTON	MAXIMUM	106	110	102	92	88	78	79	77	82	92	97	106	108	108	99
	MINIMUM	53	58	50	43	34	26	23	33	34	38	36	51	50	52	46
	AVG MAX	100.3	103.0	94.0	82.6	68.1	57.9	53.3	64.1	68.1	76.0	81.9	93.8	97.9	90.4	90.4
	AVG MIN	63.4	64.6	58.2	49.9	46.1	33.6	34.2	45.5	43.7	45.5	49.4	59.5	61.4	55.0	56.5
	AVERAGE	81.9	83.8	76.1	66.2	57.1	45.8	43.7	54.8	55.9	60.8	65.6	76.7	79.7	72.7	73.5
KAHI RADIO STATION	MAXIMUM	103	105	--	87	81	73	78	76	77	85	91	101	103	102	101
	MINIMUM	57	53	--	39	27	22	18	32	29	26	31	45	51	45	37
	AVG MAX	97.3	98.6	--	78.6	66.1	53.6	54.7	63.0	65.4	69.5	75.7	89.0	93.9	86.9	86.7
	AVG MIN	65.7	66.1	--	48.9	43.0	30.8	32.0	43.0	41.5	40.1	46.5	57.2	61.0	55.5	53.8
	AVERAGE	81.5	82.4	--	63.8	54.6	42.2	43.3	53.0	53.5	54.8	61.1	73.1	77.5	71.2	70.3



TABLE A-4 (Cont.)  
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

Station Name		1967						1968								
		July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
SACRAMENTO RIVER BASIN																
SACRAMENTO VALLEY FLOOR AO																
LAKE SOLANO	MAXIMUM	103	106	97	88	88	76	75	76	80	87	95	103	107	104	98
	MINIMUM	51	50	52	44	30	24	23	35	40	42	41	50	51	49	49
	AVG MAX	97.1	99.1	90.8	79.7	68.3	55.7	52.6	61.9	65.7	74.1	78.0	90.9	92.4	87.6	88.7
	AVG MIN	58.2	56.8	57.2	49.7	44.2	33.8	33.5	44.9	45.1	48.8	50.7	58.5	56.5	55.1	55.1
	AVERAGE	77.7	78.0	74.0	64.7	56.2	44.7	43.1	53.4	55.4	61.5	64.4	74.7	74.5	71.4	71.9
LAMB VALLEY	MAXIMUM	102	108	102	91	87	88	77	81	86	87	94	104	109	102	98
	MINIMUM	55	57	54	50	35	26	23	37	41	44	46	53	54	53	52
	AVG MAX	97.3	100.2	93.7	85.8	72.3	61.5	57.5	67.7	68.4	75.0	80.1	91.9	94.9	86.7	91.7
	AVG MIN	66.4	69.2	64.2	56.9	51.3	40.3	37.3	48.1	47.4	52.5	54.9	63.5	63.3	61.4	62.5
	AVERAGE	81.8	84.7	79.0	71.4	61.8	50.9	47.4	57.9	57.9	63.8	67.5	77.7	79.1	74.1	77.1
LIVE OAK 2 SE	MAXIMUM						--	75	79	85	92	98	104	104	106	97
	MINIMUM						--	20	30	34	33	38	50	52	49	49
	AVG MAX						RB	51.8	63.6	69.5	77.8	83.6	91.8	94.3	87.8	87.4
	AVG MIN						--	33.6	44.5	41.0	43.7	48.1	57.1	59.1	56.8	54.0
	AVERAGE						--	42.7	54.0	55.2	60.8	65.9	74.4	76.7	72.3	70.7
LOOMIS	MAXIMUM	105	106	96	88	83	76	68	75	86	92	96	105	107	104	96
	MINIMUM	56	56	55	44	32	24	23	32	33	31	39	48	55	48	42
	AVG MAX	98.7	99.9	90.2	78.3	67.1	55.5	53.4	63.9	68.4	75.1	79.5	91.5	96.1	88.0	88.4
	AVG MIN	63.3	63.7	59.3	49.6	45.4	31.9	33.3	44.1	43.3	44.3	49.4	58.0	60.8	57.4	55.5
	AVERAGE	81.0	81.8	74.8	64.0	56.2	43.7	43.3	54.0	55.9	59.7	64.4	74.7	78.5	72.7	72.0
LOOMIS 3 ENE	MAXIMUM	103	107	97	87	82	70	67	75	81	90	94	104	101	103	94
	MINIMUM	53	54	53	40	32	26	23	33	34	32	38	47	49	49	43
	AVG MAX	96.6	100.3	91.4	78.8	68.4	55.2	53.2	63.4	68.2	74.9	79.0	92.5	93.2	87.6	87.0
	AVG MIN	62.5	64.7	59.3	50.3	46.8	34.1	34.9	44.9	43.2	44.7	48.3	56.7	58.2	56.8	54.7
	AVERAGE	79.5	82.5	75.3	64.6	57.6	44.7	44.0	54.1	55.7	59.8	63.6	74.6	75.7	72.2	70.9
LOS MOLINOS 6 N	MAXIMUM	104	107	104	90	88	77	77	80	85	88	95	103	105	106	98
	MINIMUM	51	52	43	34	27	17	15	27	30	28	31	44	48	44	39
	AVG MAX	97.4	99.9	92.8	80.8	67.4	56.3	53.6	64.0	67.3	74.8	80.0	91.3	95.0	88.8	90.0
	AVG MIN	59.3	59.1	53.6	42.1	38.4	29.5	27.7	41.7	37.0	39.6	44.7	53.5	54.7	53.5	49.3
	AVERAGE	78.4	79.5	73.2	61.5	52.9	42.9	40.6	52.9	52.2	57.2	62.4	72.4	74.8	71.2	69.6
MANZANITA FIRE STATION	MAXIMUM	108	101	98	84	84	76	74	76	84	86	100	107	108	100	92
	MINIMUM	51	56	49	40	32	24	20	30	34	34	40	40	44	50	46
	AVG MAX	101.0	94.6	86.9	76.7	69.9	55.9	50.9	62.4	66.8	73.2	80.5	94.9	98.5	87.0	84.7
	AVG MIN	60.3	62.1	57.7	46.0	43.9	32.1	33.9	44.2	41.8	44.8	48.8	56.0	58.9	57.5	54.9
	AVERAGE	80.7	78.4	72.3	61.3	56.9	44.0	42.4	53.3	54.3	59.0	64.6	75.5	78.7	72.3	69.8
MATHER AIR FORCE BASE	MAXIMUM	103	106	99	90	82	72	63	73	79	88	93	103	105	105	95
	MINIMUM	55	57	58	46	35	27	21	33	37	39	41	47	52	52	47
	AVG MAX	95.9	98.1	91.6	80.4	65.6	53.8	51.6	62.2	65.9	73.3	77.5	89.2	91.9	86.2	87.1
	AVG MIN	62.3	64.0	63.1	52.4	47.4	34.3	35.2	47.0	44.8	45.8	49.8	57.2	59.8	58.2	56.9
	AVERAGE	79.1	81.0	77.3	66.4	56.5	44.0	43.4	54.6	55.4	59.6	63.7	73.2	75.9	72.2	72.0
MCCLELLAN AIR FORCE BASE	MAXIMUM	103	105	98	89	87	76	63	73	79	91	99	105	107	105	96
	MINIMUM	54	56	54	44	36	27	22	34	35	34	40	52	55	49	44
	AVG MAX	96.5	98.0	89.8	81.1	68.7	55.9	52.5	63.5	66.5	75.0	79.9	92.2	94.7	88.7	88.0
	AVG MIN	62.4	62.8	60.8	50.8	48.5	35.4	35.5	48.8	45.4	45.9	52.1	59.7	62.0	59.9	57.1
	AVERAGE	79.5	80.4	75.3	66.0	58.6	45.7	44.0	56.1	55.9	60.5	66.0	76.0	78.4	74.3	72.6
NELSON WESTERN CAMP	MAXIMUM	109	108	101	84	87	75	73	76	80	88	96	107	106	103	100
	MINIMUM	56	60	54	43	32	27	22	34	37	38	47	53	56	50	48
	AVG MAX	100.9	102.5	93.0	78.8	66.9	56.1	53.4	63.3	67.3	75.0	80.8	93.0	98.2	91.0	88.1
	AVG MIN	66.1	66.2	59.6	47.5	44.2	36.5	34.0	46.0	43.2	46.9	53.5	61.0	63.4	55.1	56.6
	AVERAGE	83.5	84.4	76.3	63.2	55.6	46.3	43.7	54.6	55.2	61.0	67.2	77.0	80.8	73.0	72.4
NEWCASTLE FOWLER	MAXIMUM	107	108	101	91	86	77	70	77	84	92	99	106	108	108	100
	MINIMUM	52	52	49	34	30	18	20	29	30	27	33	46	52	46	34
	AVG MAX	101.3	102.3	94.8	83.3	70.2	57.6	55.8	65.6	69.9	76.5	81.5	94.0	99.1	91.7	92.4
	AVG MIN	61.6	60.8	56.9	45.3	43.4	29.5	32.3	44.9	42.1	40.1	49.1	57.3	60.5	57.6	52.8
	AVERAGE	81.5	81.6	75.9	64.3	56.8	43.6	44.0	55.3	56.0	58.3	65.3	75.7	79.8	74.7	72.6
NEW ENGLAND ORCHARD	MAXIMUM	102	106	--	88	85	75	75	77	82	91	96	100	103	105	98
	MINIMUM	51	54	--	37	30	24	20	32	35	39	42	48	49	48	43
	AVG MAX	94.8	97.1	--	80.0	66.9	54.9	52.5	62.9	67.2	75.3	79.3	89.7	93.9	87.8	87.8
	AVG MIN	59.3	59.1	--	44.2	42.3	32.7	33.8	45.3	43.0	45.3	49.6	57.6	57.6	56.2	54.7
	AVERAGE	77.0	78.1	--	62.1	54.6	43.8	43.2	54.1	55.1	60.3	64.5	73.6	75.8	72.2	71.3
NORTH SACRAMENTO	MAXIMUM	104	105	95	88	81	70	61	73	90	--	--	--	--	103	95
	MINIMUM	53	53	51	40	34	22	22	30	32	--	--	--	--	46	42
	AVG MAX	96.3	97.8	89.5	78.4	63.9	51.5	49.6	61.0	66.7	--	--	--	--	84.4	87.5
	AVG MIN	58.0	58.1	54.3	44.9	42.1	31.1	33.8	44.5	41.3	--	--	--	--	50.7	53.2
	AVERAGE	77.1	78.0	71.9	61.6	53.0	41.3	41.7	52.8	54.0	--	--	--	--	67.6	70.4
ORANGEVALE	MAXIMUM	103	106	95	85	79	70	65	72	80	90	94	104	105	105	99
	MINIMUM	53	52	52	38	34	23	22	30	31	29	36	46	52	46	39
	AVG MAX	96.5	98.3	88.7	78.3	65.7	54.2	52.1	62.8	66.7	74.1	79.8	91.4	94.3	87.8	87.2
	AVG MIN	60.1	60.5	57.6	47.3	45.0	32.0	34.0	45.9	43.2	41.9	48.1	54.8	57.6	55.5	53.2
	AVERAGE	78.3	79.4	73.2	62.8	55.3	43.1	43.0	54.4	55.0	58.0	63.9	73.1	76.0	71.7	70.2
PHELAN PARROTT RANCH	MAXIMUM	102	102	96	80	86	74	66	80	80	86	92	102	100	100	96
	MINIMUM	54	58	50	44	34	28	24	36	36	38	42	52	54	50	50
	AVG MAX	96.4	97.3	89.4	75.8	65.5	57.2	54.5	62.8	67.2	76.2	81.6	91.0	93.4	87.6	86.4
	AVG MIN	62.3	63.2	57.4	49.7	44.6	37.4	35.3	48.0	43.9	46.0	50.9	63.3	61.5	60.1	57.5
	AVERAGE	79.4	80.3	73.5	62.8	55.0	47.3	44.9	55.4	55.5	61.1	66.2	77.1	77.4	73.8	72.0



TABLE A-4 (Cont.)  
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

Station Name		1967						1968								
		July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
SACRAMENTO RIVER BASIN																
SACRAMENTO VALLEY FLOOR A0																
PLAINFIELD 1 NW	MAXIMUM	103	105	97	88	84	74	71	74	82	90	94	101	98	106	97
	MINIMUM	48	50	47	40	27	20	15	31	34	36	37	43	47	45	44
	AVG MAX	96.0	97.7	90.2	79.6	66.4	53.9	51.9	61.6	66.3	75.4	78.8	89.1	90.0	87.1	88.4
	AVG MIN	54.7	55.5	54.3	47.0	41.8	31.3	31.5	43.6	40.7	44.0	46.0	52.9	52.7	53.4	52.6
	AVERAGE	75.4	76.6	72.2	63.3	54.1	42.6	41.7	52.6	53.5	59.7	62.4	71.0	71.4	70.3	70.5
RANCHO CORDOVA	MAXIMUM	101	103	96	88	83	70	68	78	84	89	94	101	104	105	98
	MINIMUM	50	51	50	38	33	24	22	31	32	34	38	46	50	46	42
	AVG MAX	94.4	96.5	89.0	80.5	67.2	55.2	53.8	63.6	67.7	75.1	80.0	89.3	91.9	87.1	88.4
	AVG MIN	57.2	58.4	55.6	45.8	43.3	31.1	32.3	44.9	41.0	42.3	46.9	53.1	55.8	53.8	51.8
	AVERAGE	75.8	77.4	72.3	63.1	55.2	43.1	43.1	54.3	54.4	58.7	63.5	71.2	73.9	70.5	70.1
RICHVALE	MAXIMUM	104	106	101	90	90	78	75	80	84	89	97	104	103	104	100
	MINIMUM	52	58	48	40	30	22	16	33	32	35	43	50	52	49	44
	AVG MAX	97.3	98.9	91.1	81.4	68.5	58.7	52.9	65.2	69.4	78.0	81.1	92.7	94.8	88.7	90.0
	AVG MIN	63.3	63.3	56.8	45.0	42.3	31.8	31.3	43.1	41.1	43.6	49.9	58.1	60.1	56.7	53.9
	AVERAGE	80.3	81.1	74.0	63.2	55.4	45.3	42.1	54.1	55.2	60.8	65.5	75.4	77.5	72.7	72.0
SACRAMENTO HUFFMAN	MAXIMUM	101	102	93	84	78	70	63	74	82	88	93	102	102	102	90
	MINIMUM	57	60	59	49	39	32	--	38	42	44	46	53	58	55	50
	AVG MAX	93.6	94.6	87.3	77.0	64.8	54.7	--	64.2	--	75.6	79.1	89.4	90.8	85.6	85.3
	AVG MIN	63.6	64.6	62.6	53.9	50.0	38.4	--	50.4	--	50.7	54.4	61.1	62.5	61.0	58.4
	AVERAGE	78.6	79.6	74.9	65.4	57.4	46.5	--	57.3	--	63.1	66.7	75.3	76.7	73.3	71.9
SACRAMENTO 3 SSW	MAXIMUM	105	108	100	92	85	73	68	78	87	93	96	105	106	107	100
	MINIMUM	54	55	54	43	35	25	25	33	37	37	41	45	53	50	45
	AVG MAX	96.5	99.5	92.5	83.3	70.2	58.0	53.9	64.3	70.5	79.2	81.4	90.9	90.1	89.3	89.2
	AVG MIN	59.7	59.7	58.4	46.2	45.4	32.9	34.4	46.5	43.3	46.0	49.2	55.4	55.2	57.0	53.9
	AVERAGE	78.1	79.6	75.4	64.8	57.8	45.4	44.2	55.4	56.9	62.6	65.3	73.1	72.7	73.2	71.6
SACRAMENTO REFUGE	MAXIMUM	104	103	99	84	89	75	73	78	77	86	94	101	103	98	94
	MINIMUM	58	60	53	42	32	22	21	34	37	37	41	52	58	50	51
	AVG MAX	97.9	98.4	90.8	77.3	66.3	54.5	52.7	61.9	65.4	74.4	80.0	91.0	93.8	86.0	85.7
	AVG MIN	65.3	65.6	59.2	49.7	44.9	35.5	33.5	45.3	44.2	45.7	52.2	61.0	62.6	59.6	59.5
	AVERAGE	81.6	82.0	75.0	63.5	55.6	45.0	43.1	53.6	54.6	60.1	66.1	76.0	78.2	72.8	72.6
SUTTER CITY	MAXIMUM	103	106	102	90	91	68	68	82	83	90	97	108	104	109	94
	MINIMUM	54	58	54	42	34	27	30	25	38	42	42	55	54	50	50
	AVG MAX	96.3	97.3	91.6	82.2	69.6	51.7	56.2	61.9	68.2	77.0	80.8	92.7	93.8	88.1	88.0
	AVG MIN	63.7	64.0	59.7	50.6	46.2	37.1	36.2	44.6	45.4	49.8	53.3	61.6	61.9	57.9	57.5
	AVERAGE	80.0	80.7	75.7	66.4	57.9	44.4	46.2	53.2	56.8	63.4	67.0	77.2	77.8	73.0	72.8
TISDALE BYPASS	MAXIMUM	101	105	98	88	86	76	72	76	82	89	95	104	102	105	98
	MINIMUM	50	54	52	40	34	28	22	34	36	40	44	52	52	52	50
	AVG MAX	94.6	97.3	90.6	80.0	67.9	53.9	51.8	61.0	66.2	74.4	78.5	89.9	93.5	87.3	86.0
	AVG MIN	59.9	60.3	57.1	46.9	43.0	33.7	34.1	45.7	43.3	46.9	51.3	55.4	59.6	57.7	57.0
	AVERAGE	77.3	78.8	73.9	63.5	55.5	43.8	43.0	53.4	54.8	60.6	64.9	72.6	76.6	72.5	71.5
TOWN & COUNTRY MITCHELL	MAXIMUM	102	104	96	88	84	72	66	75	83	91	96	103	105	104	97
	MINIMUM	53	56	54	43	37	25	24	32	35	35	41	49	52	50	42
	AVG MAX	95.3	97.6	89.9	80.8	67.1	55.4	53.2	64.3	68.8	76.3	80.4	90.5	93.2	87.3	88.2
	AVG MIN	60.0	60.5	58.7	48.3	46.0	33.3	35.8	46.8	43.9	44.7	49.6	56.7	58.1	57.0	54.4
	AVERAGE	77.7	79.0	74.3	64.5	56.6	44.4	44.5	55.5	56.4	60.5	65.0	73.6	75.7	72.2	71.3
VINA MONASTERY	MAXIMUM	102	105	102	87	91	78	75	80	83	87	96	102	101	104	98
	MINIMUM	52	54	48	40	33	22	19	32	35	34	40	50	54	50	47
	AVG MAX	96.4	99.1	92.1	80.2	68.4	56.5	52.8	65.5	67.9	75.5	80.5	91.3	94.5	88.2	90.2
	AVG MIN	60.6	61.0	55.3	44.8	42.6	32.6	31.0	44.6	41.4	43.6	48.9	58.4	58.7	57.8	55.4
	AVERAGE	78.5	80.1	73.7	62.5	55.5	44.6	41.9	55.0	54.6	59.6	64.7	74.9	76.6	73.0	72.8
WEST ACRES	MAXIMUM	102	103	95	86	83	72	65	76	83	91	95	102	104	104	95
	MINIMUM	53	55	53	43	33	26	24	34	38	38	41	49	52	50	46
	AVG MAX	95.4	96.9	89.6	79.7	66.2	54.3	53.5	64.7	69.3	76.6	80.5	91.0	93.9	88.2	88.4
	AVG MIN	59.9	59.2	58.3	49.1	45.9	34.4	35.8	46.9	44.6	46.4	49.6	56.1	57.3	56.8	54.9
	AVERAGE	77.6	78.0	73.9	64.4	56.0	44.4	44.7	55.8	57.0	61.5	65.1	73.6	75.6	72.5	71.6
WINTERS WOLFSKILL RANCH	MAXIMUM	103	109	98	88	89	74	73	74	78	88	95	104	105	106	96
	MINIMUM	54	53	51	44	31	22	24	34	39	41	41	50	52	49	48
	AVG MAX	98.2	100.0	92.1	81.4	67.5	53.4	49.6	58.8	64.4	73.7	78.0	90.8	94.0	89.7	88.4
	AVG MIN	61.1	61.1	59.5	51.5	45.1	35.0	33.7	44.3	44.6	48.8	52.0	59.7	58.7	57.7	56.2
	AVERAGE	79.7	80.6	75.8	66.5	56.3	44.2	41.7	51.6	54.5	61.3	65.0	75.2	76.4	73.7	72.3
WOODLAND 1 SSW	MAXIMUM	104	108	98	88	86	76	--	--	--	--	--	--	--	--	--
	MINIMUM	53	55	52	43	32	25	--	--	--	--	--	--	--	--	--
	AVG MAX	98.7	100.1	91.8	80.8	67.8	56.0	RE	RE	RE	RE	RE	RE	RE	RE	RE
	AVG MIN	59.4	60.5	58.4	49.1	43.3	32.7	--	--	--	--	--	--	--	--	--
	AVERAGE	79.0	80.3	75.1	64.9	55.5	44.4	--	--	--	--	--	--	--	--	--
WOODLAND 3 W	MAXIMUM	104	106	98	89	87	76	74	77	83	90	93	104	103	105	96
	MINIMUM	50	52	48	41	29	23	20	33	35	38	39	45	50	47	45
	AVG MAX	95.6	96.6	89.8	80.7	67.7	55.5	52.6	63.5	67.4	75.4	79.7	90.7	92.2	86.9	88.4
	AVG MIN	57.1	57.6	56.0	48.4	42.9	32.7	33.1	44.8	41.8	45.2	46.6	55.3	55.2	55.3	54.3
	AVERAGE	76.4	77.1	72.9	64.6	55.3	44.1	42.8	54.2	54.6	60.3	63.2	73.0	73.7	71.1	71.4
YUBA CITY	MAXIMUM	104	106	105	87	85	76	75	77	85	90	96	104	106	105	99
	MINIMUM	53	58	56	44	35	26	21	34	39	40	45	51	53	50	50
	AVG MAX	96.9	98.3	92.0	80.5	66.9	56.1	52.3	63.2	68.6	75.8	81.0	89.1	94.6	87.2	89.4
	AVG MIN	63.1	64.0	60.4	51.3	46.1	34.7	36.0	47.1	44.8	48.2	51.5	59.9	60.0	58.1	57.3
	AVERAGE	80.0	81.2	76.2	65.9	56.5	45.4	44.2	55.1	56.7	62.0	66.2	74.5	77.3	72.7	73.4



TABLE A-4 (Cont.)  
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

Station Name		1967						1968								
		July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
SACRAMENTO RIVER BASIN																
SACRAMENTO VALLEY FLOOR A0																
YUBA CITY 4 S	MAXIMUM	104	105	100	91	87	76	75	77	84	90	98	105	107	106	97
	MINIMUM	52	54	48	39	31	25	21	33	33	37	41	48	50	47	45
	AVG MAX	98.1	99.2	93.6	82.5	68.2	56.8	53.3	64.5	68.5	76.7	81.7	92.2	95.0	88.7	89.8
	AVG MIN	58.4	59.4	56.6	46.3	42.3	33.3	33.9	45.6	42.2	45.0	49.6	56.8	56.6	56.2	55.1
	AVERAGE	78.2	79.3	75.1	64.4	55.2	45.0	43.6	55.0	55.4	60.9	65.7	74.5	75.8	72.5	72.5
PIT RIVER A1																
ALTURAS COPCO	MAXIMUM	100	100	91	81	70	45	53	64	71	78	79	95	100	92	87
	MINIMUM	40	39	27	16	9	-9	-17	10	18	16	18	36	41	38	25
	AVG MAX	90.1	93.1	81.6	67.2	53.2	31.7	36.5	48.5	53.6	59.1	66.9	77.9	90.0	76.0	77.8
	AVG MIN	46.1	46.3	39.5	26.0	24.6	8.8	13.3	30.7	27.0	28.3	37.0	45.5	51.7	47.6	40.6
	AVERAGE	68.1	69.7	60.6	46.6	38.9	20.2	24.9	39.6	40.3	43.7	52.0	61.7	70.8	61.8	59.2
ALTURAS INSPECTION STN	MAXIMUM	96	95	87	74	66	47	50	60	68	76	80	90	96	88	86
	MINIMUM	40	36	28	17	11	-2	-14	12	16	14	18	30	38	32	18
	AVG MAX	85.2	87.6	77.7	63.9	52.6	33.6	38.0	50.8	53.5	57.1	66.6	76.7	86.9	75.0	73.3
	AVG MIN	45.9	45.4	39.9	27.7	26.7	10.4	14.4	27.2	24.9	24.9	34.2	41.2	46.9	43.2	35.6
	AVERAGE	65.6	66.5	58.8	45.8	39.7	22.0	26.2	39.0	39.2	41.0	50.4	59.0	66.9	59.1	54.4
BIEBER CARY	MAXIMUM	100	102	92	78	70	48	50	64	70	78	--	--	--	--	--
	MINIMUM	38	36	27	14	6	-12	-16	4	14	11	--	--	--	--	--
	AVG MAX	89.9	92.6	82.8	66.5	55.0	36.5	39.4	51.0	56.0	60.3	RE	RE	RE	RE	RE
	AVG MIN	41.8	42.5	34.7	27.8	21.7	2.5	7.8	22.8	21.5	21.3	--	--	--	--	--
	AVERAGE	65.9	67.6	58.8	47.2	38.4	19.5	23.6	36.9	38.8	40.8	--	--	--	--	--
BUCK CREEK RANGER STN	MAXIMUM	91	91	84	72	--	--	52	57	60	--	71	88	92	84	--
	MINIMUM	38	40	27	20	--	--	-1	4	10	--	12	28	35	30	--
	AVG MAX	82.8	83.9	74.1	59.0	--	--	34.4	42.4	46.4	--	59.4	71.3	83.5	69.5	RE
	AVG MIN	44.8	45.9	40.0	28.4	--	--	12.2	21.7	22.0	--	27.1	38.0	44.0	41.9	--
	AVERAGE	63.8	64.9	57.1	43.7	--	--	23.3	32.0	34.2	--	43.2	54.6	63.7	55.7	--
McARTHUR HWY MAINT STN	MAXIMUM	101	96	--	76	73	44	52	69	70	78	87	--	--	--	--
	MINIMUM	44	44	--	26	18	-1	-5	11	23	21	26	--	--	--	--
	AVG MAX	90.9	90.5	--	66.2	55.6	34.7	39.6	49.7	56.3	62.4	71.5	RE	RE	RE	RE
	AVG MIN	50.4	49.8	--	34.0	30.1	13.2	14.3	27.9	30.3	31.3	38.1	--	--	--	--
	AVERAGE	70.7	70.2	--	50.1	42.9	24.0	27.0	38.8	43.3	46.8	54.8	--	--	--	--
OLD STATION	MAXIMUM	88	87	81	72	65	50	53	58	66	70	74	87	88	84	80
	MINIMUM	35	34	25	19	10	-7	-6	5	12	13	18	26	30	30	20
	AVG MAX	80.4	82.1	74.7	61.3	51.5	36.7	38.5	48.6	51.0	54.9	62.4	72.6	80.2	70.2	69.6
	AVG MIN	41.7	43.1	37.4	27.9	26.5	11.5	14.6	25.5	23.3	24.4	31.2	36.9	41.3	40.7	33.3
	AVERAGE	61.1	62.6	56.1	44.6	39.0	24.1	26.6	37.1	37.2	39.7	46.8	54.8	60.8	55.4	51.4
PITTVILLE 3 SE	MAXIMUM	98	100	93	--	--	--	50	70	--	--	81	93	99	95	93
	MINIMUM	44	41	33	--	--	--	-8	7	--	--	24	35	42	34	26
	AVG MAX	91.1	93.5	85.1	--	--	--	37.9	50.1	--	--	69.7	80.1	91.5	80.8	82.6
	AVG MIN	49.6	50.0	42.5	--	--	--	11.1	25.8	--	--	37.1	45.7	51.9	47.8	38.4
	AVERAGE	70.4	71.8	63.8	--	--	--	24.5	38.0	--	--	53.4	62.9	71.7	64.3	60.5
SACRAMENTO VALLEY WEST SIDE A3																
BLACK BUTTE DAM	MAXIMUM	105	107	103	89	90	77	75	79	80	88	96	107	105	105	99
	MINIMUM	55	60	52	44	35	23	21	36	37	35	42	52	57	50	49
	AVG MAX	98.9	101.0	93.1	79.9	68.3	55.5	52.9	62.0	65.5	74.1	79.9	92.6	96.7	87.7	90.0
	AVG MIN	65.9	68.2	61.4	52.2	47.5	35.9	33.0	45.7	43.4	47.1	50.8	60.1	62.6	58.9	58.7
	AVERAGE	82.4	84.6	77.3	66.1	57.9	45.7	43.0	53.8	54.4	60.6	65.4	76.4	79.6	73.3	74.4
EAGLE CREEK	MAXIMUM	98	100	98	85	84	70	73	76	77	83	88	100	100	98	93
	MINIMUM	46	50	45	34	28	18	18	28	28	28	33	41	48	44	36
	AVG MAX	93.3	96.0	89.1	75.0	62.1	50.8	50.5	59.6	63.6	69.9	72.9	85.1	91.7	81.9	84.9
	AVG MIN	56.1	56.3	51.0	41.5	40.6	28.8	27.9	40.4	37.3	38.1	42.8	51.5	55.5	54.5	48.6
	AVERAGE	74.7	76.2	70.0	58.2	51.4	39.8	39.2	50.0	50.5	54.0	57.8	68.3	73.6	68.2	66.8
FLOOD RANCH	MAXIMUM	100	102	97	87	87	80	76	79	84	83	88	101	101	100	97
	MINIMUM	67	64	60	47	35	26	22	35	35	37	45	52	63	53	52
	AVG MAX	94.5	96.5	89.5	77.2	66.4	57.4	54.5	63.6	67.0	72.6	75.5	87.7	92.2	85.4	86.3
	AVG MIN	70.2	69.5	64.1	52.7	46.7	36.2	34.2	45.8	44.8	47.6	53.8	64.5	68.8	65.1	62.3
	AVERAGE	82.4	83.0	76.8	65.0	56.6	46.8	44.4	54.7	55.9	60.1	64.7	76.1	80.5	75.2	74.3
FOUTS SPRINGS BOYS RANCH	MAXIMUM	99	102	94	84	84	76	78	72	78	86	98	108	109	100	100
	MINIMUM	52	50	49	34	26	13	15	26	26	24	30	40	52	40	34
	AVG MAX	92.9	95.6	88.0	77.2	65.2	52.2	52.1	60.6	63.5	71.4	80.2	93.8	99.1	87.8	87.6
	AVG MIN	57.2	58.6	52.7	40.7	37.1	24.9	22.9	36.3	34.2	36.6	41.9	51.7	58.2	52.5	48.6
	AVERAGE	75.1	77.1	70.4	59.0	51.2	38.6	37.5	48.4	48.8	54.0	61.0	72.8	78.6	70.2	68.1
SACRAMENTO VALLEY NORTHEAST A4																
DALES	MAXIMUM	109	112	105	90	88	78	76	80	85	92	96	110	111	108	106
	MINIMUM	58	58	52	37	28	20	19	22	30	32	40	50	56	50	41
	AVG MAX	101.4	104.7	95.6	81.5	68.3	56.6	52.9	62.9	68.6	77.2	80.5	90.6	101.2	92.8	93.1
	AVG MIN	65.2	64.7	58.5	46.8	44.0	32.7	32.3	44.1	40.4	42.2	50.5	57.0	63.2	60.2	54.6
	AVERAGE	83.3	84.7	77.1	64.2	56.2	44.6	42.6	53.5	54.6	59.7	65.5	73.8	82.2	76.5	73.8



TABLE A-4 (Cont.)  
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

Station Name		1967						1968								
		July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
SACRAMENTO RIVER BASIN																
SACRAMENTO VALLEY NORTHEAST A4																
DARRAH FISH HATCHERY	MAXIMUM	104	105	98	85	84	75	72	76	78	86	94	107	111	104	98
	MINIMUM	53	52	44	31	25	14	14	24	27	28	32	41	44	36	32
	AVG MAX	99.2	100.9	92.2	77.0	63.5	52.1	49.4	59.9	64.1	73.0	77.8	91.0	98.9	89.6	90.3
	AVG MIN	58.6	59.6	52.4	41.1	37.4	26.2	24.6	37.3	36.0	38.1	43.8	50.6	54.2	48.3	42.5
	AVERAGE	78.9	80.3	72.3	59.1	50.5	39.2	37.0	48.6	50.0	55.5	60.8	70.8	76.6	69.0	66.4
FOREST RANCH	MAXIMUM	94	98	90	78	78	68	66	70	74	80	84	92	96	92	84
	MINIMUM	52	50	48	38	30	16	20	28	28	30	32	44	50	42	38
	AVG MAX	89.5	91.9	82.1	69.9	61.2	49.4	51.8	53.4	60.1	68.0	71.3	82.9	87.9	79.3	78.2
	AVG MIN	58.0	59.7	54.1	45.4	41.5	29.5	30.5	38.3	36.1	39.3	43.1	52.7	56.8	51.3	49.9
	AVERAGE	73.8	75.8	68.1	57.7	51.4	39.4	41.2	45.8	48.1	53.7	57.2	67.8	72.4	65.3	64.0
KILARC POWERHOUSE	MAXIMUM	99	100	95	84	84	65	68	75	77	81	86	100	101	98	97
	MINIMUM	52	54	49	38	30	18	22	33	29	29	32	43	52	43	34
	AVG MAX	91.5	94.3	86.7	72.7	61.8	46.6	47.2	55.4	59.8	66.8	71.4	83.8	90.8	81.2	84.2
	AVG MIN	58.4	61.0	54.3	45.5	41.2	28.9	29.5	38.9	37.4	39.1	45.0	53.8	57.2	53.6	50.4
	AVERAGE	75.0	77.7	70.5	59.1	51.5	37.8	38.4	47.2	48.6	53.0	58.2	68.8	74.0	67.4	67.3
MANTON 6 E	MAXIMUM	90	94	88	78	76	68	63	66	68	76	80	94	96	91	84
	MINIMUM	44	43	38	24	22	7	12	18	22	18	22	34	42	34	26
	AVG MAX	86.4	88.2	79.6	66.7	56.4	43.7	44.6	51.6	54.0	61.4	67.0	79.4	81.4	75.6	76.5
	AVG MIN	49.5	50.6	45.0	34.8	32.4	22.7	23.9	32.2	30.0	33.7	36.1	44.0	50.2	46.0	41.4
	AVERAGE	68.0	69.4	62.3	50.8	44.4	33.2	34.2	41.9	42.0	47.6	51.5	61.7	65.8	60.8	59.0
FEATHER RIVER A5																
BOULDER CREEK GUARD STN	MAXIMUM	--	94	86	--	--	--	--	--	--	--	--	--	96	88	90
	MINIMUM	31	30	20	--	--	--	--	--	--	--	--	--	30	30	19
	AVG MAX	--	88.4	77.7	--	--	--	--	--	--	--	--	--	87.5	78.0	78.6
	AVG MIN	--	38.8	33.2	--	--	--	--	--	--	--	--	--	40.6	39.4	30.7
	AVERAGE	--	63.6	55.4	--	--	--	--	--	--	--	--	--	64.1	58.7	54.7
BUCKS CREEK POWERHOUSE	MAXIMUM	101	103	96	78	76	66	70	74	80	84	91	103	102	98	98
	MINIMUM	56	60	50	40	30	24	24	29	31	33	38	47	56	45	62
	AVG MAX	95.8	97.8	89.6	70.2	61.6	46.9	49.1	55.7	64.2	72.8	76.2	88.6	94.6	85.8	87.7
	AVG MIN	61.5	64.3	57.3	47.5	43.7	33.0	33.1	38.7	38.5	42.5	46.7	55.4	60.8	56.8	55.7
	AVERAGE	78.6	81.0	73.4	58.8	52.7	40.0	41.1	47.2	51.3	57.6	61.5	72.0	77.7	71.3	71.7
BUCKS LAKE	MAXIMUM	86	84	78	66	64	51	50	54	60	65	73	86	86	81	80
	MINIMUM	44	46	40	32	24	9	3	11	15	22	28	36	38	36	40
	AVG MAX	78.1	78.6	70.6	58.9	49.4	34.6	35.5	42.7	45.1	52.1	57.2	69.2	77.9	66.2	70.0
	AVG MIN	49.9	52.6	48.6	39.3	36.4	22.9	22.6	29.4	26.4	31.4	35.0	45.2	49.7	46.3	46.7
	AVERAGE	64.0	65.6	59.6	49.1	42.9	28.7	29.1	36.1	35.8	41.8	46.1	57.2	63.8	56.3	58.4
CARIBOU POWERHOUSE	MAXIMUM	101	104	102	78	69	56	50	69	78	81	86	99	100	99	97
	MINIMUM	52	54	48	37	30	18	21	24	30	30	35	44	52	45	37
	AVG MAX	91.8	96.1	84.8	69.5	56.4	40.3	42.4	52.6	60.0	67.8	73.5	85.3	91.3	83.3	84.4
	AVG MIN	58.2	59.8	53.6	42.6	39.7	27.9	29.0	36.0	35.5	37.8	44.6	52.6	58.4	54.2	51.9
	AVERAGE	75.0	78.0	69.2	56.0	48.0	34.1	35.7	44.3	47.7	52.8	59.0	68.9	74.9	68.8	68.2
CHEROKEE	MAXIMUM	100	102	98	84	84	74	66	74	78	84	90	100	100	100	94
	MINIMUM	52	54	48	40	30	22	20	30	31	30	38	46	48	46	38
	AVG MAX	91.5	96.5	88.3	75.9	64.6	53.2	51.1	60.0	63.0	70.4	74.8	87.6	91.9	83.8	85.1
	AVG MIN	61.0	61.3	55.9	47.3	41.6	31.7	31.9	42.4	40.7	42.8	45.9	55.7	58.1	55.3	51.7
	AVERAGE	76.3	78.9	72.1	61.6	53.1	42.5	41.5	51.2	51.9	56.6	60.4	71.6	75.0	69.6	68.4
FORBESTOWN	MAXIMUM	98	100	94	82	82	68	70	72	74	78	82	96	95	98	90
	MINIMUM	58	60	52	42	34	22	25	28	32	34	34	46	58	46	44
	AVG MAX	89.0	93.2	83.6	73.1	62.5	48.3	49.3	56.3	58.1	64.9	68.1	81.6	88.8	78.5	81.4
	AVG MIN	64.7	67.0	59.6	51.2	45.7	33.8	36.2	42.9	40.8	44.0	46.8	59.0	64.6	58.6	59.1
	AVERAGE	76.8	80.1	71.6	62.2	54.1	41.1	42.7	49.6	49.5	54.4	57.5	70.3	76.7	68.6	70.3
FOREMAN CREEK	MAXIMUM	102	105	101	89	87	78	79	76	76	84	93	103	103	105	95
	MINIMUM	53	56	50	44	32	24	23	29	32	34	38	47	53	46	43
	AVG MAX	97.1	99.2	92.1	79.5	68.3	55.4	54.5	61.9	64.3	71.2	76.0	89.1	94.1	87.1	87.9
	AVG MIN	61.7	64.7	58.3	49.8	44.8	34.6	34.4	43.1	41.1	43.3	47.5	56.6	60.4	56.6	55.7
	AVERAGE	79.4	81.9	75.2	64.7	56.5	45.0	44.5	52.5	52.7	57.2	61.8	72.9	77.3	71.9	71.8
GREENVILLE RANGER STATION	MAXIMUM	99	100	93	78	74	53	62	69	77	81	85	100	101	99	100
	MINIMUM	39	37	31	23	16	7	7	16	18	18	24	30	37	37	25
	AVG MAX	92.0	93.5	85.1	72.1	59.3	39.6	43.7	49.6	60.1	65.7	72.7	85.5	93.1	82.5	86.1
	AVG MIN	46.4	46.9	40.9	29.3	29.7	15.6	18.8	27.2	26.0	27.0	34.6	42.0	45.9	44.6	36.4
	AVERAGE	69.2	70.2	63.0	50.7	44.5	27.6	31.3	38.4	43.0	46.4	53.6	63.8	69.5	63.6	61.3
LAKE WILENOR	MAXIMUM	106	108	104	82	78	68	68	72	76	85	92	--	102	100	96
	MINIMUM	50	48	46	36	30	23	22	30	32	30	36	--	47	38	42
	AVG MAX	98.8	100.2	87.0	73.5	59.6	49.1	49.4	55.4	60.3	67.5	73.9	--	93.4	83.0	84.5
	AVG MIN	57.3	58.2	53.5	43.8	42.0	33.3	33.1	40.3	37.8	42.3	44.1	--	54.4	52.6	50.9
	AVERAGE	78.0	79.2	70.3	58.7	50.8	41.2	41.3	47.9	49.0	54.9	59.0	--	73.9	67.8	67.7
MOHAWK RANGER STATION	MAXIMUM	95	96	90	76	75	53	54	73	78	82	83	95	96	93	94
	MINIMUM	33	32	24	22	15	3	0	3	17	13	20	25	30	31	18
	AVG MAX	88.0	90.5	82.2	69.5	59.8	37.3	42.8	53.1	62.0	66.3	68.6	80.4	88.5	78.4	81.4
	AVG MIN	40.6	41.9	37.7	27.6	26.8	10.9	13.3	24.2	25.6	24.8	29.7	35.9	40.4	39.1	30.6
	AVERAGE	64.3	66.2	60.0	48.6	43.3	24.1	28.1	38.6	43.8	45.6	49.1	58.1	64.5	58.8	56.0



TABLE A-4 (Cont.)  
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

Station Name		1967						1968								
		July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
SACRAMENTO RIVER BASIN																
FEATHER RIVER A5																
OROVILLE DAM	MAXIMUM	106	107	103	89	87	78	80	79	80	89	98	107	105	107	98
	MINIMUM	55	62	56	47	38	28	23	35	38	43	44	52	53	48	49
	AVG MAX	98.6	101.4	93.0	80.6	67.8	56.6	52.5	62.2	66.3	74.5	79.2	93.3	97.0	89.1	91.1
	AVG MIN	65.4	68.1	62.7	55.3	49.0	38.1	36.1	45.9	46.9	51.7	48.5	59.5	64.6	58.6	59.8
	AVERAGE	82.0	84.7	77.9	67.9	58.4	47.4	44.3	54.1	56.6	63.1	63.9	76.4	80.8	73.9	75.5
PARISH CAMP	MAXIMUM	108	105	103	87	88	76	77	79	78	87	96	108	104	105	97
	MINIMUM	51	58	54	39	33	25	23	33	35	39	42	49	56	49	47
	AVG MAX	98.4	99.9	92.1	80.0	--	--	53.6	62.7	65.3	74.9	79.5	91.2	96.1	88.9	88.3
	AVG MIN	64.5	67.5	61.1	53.1	47.2	36.0	33.6	44.5	43.8	47.6	50.3	60.2	63.8	59.7	59.0
	AVERAGE	81.4	83.7	76.6	66.5	--	--	43.6	53.6	54.5	61.3	64.9	75.7	80.0	74.3	73.7
PLUMAS EUREKA STATE PARK	MAXIMUM	91	93	86	76	74	57	58	64	68	75	80	91	95	90	87
	MINIMUM	33	38	34	28	21	4	0	6	16	15	24	31	38	29	24
	AVG MAX	84.4	87.5	79.1	67.2	55.9	38.1	42.0	44.5	51.7	58.0	65.4	76.9	85.3	75.5	72.4
	AVG MIN	44.1	46.8	42.6	32.7	30.2	16.7	17.5	25.0	25.3	27.7	33.0	41.0	46.0	41.9	38.6
	AVERAGE	64.2	67.1	60.8	50.0	43.1	27.4	29.8	34.8	38.5	42.8	49.2	58.9	65.7	58.7	55.5
VINTON	MAXIMUM	91	95	86	80	75	49	49	65	72	75	82	95	96	91	89
	MINIMUM	31	30	27	20	8	-8	-10	-7	16	11	18	27	33	28	19
	AVG MAX	84.3	87.6	78.9	69.2	56.6	34.0	37.6	48.1	54.0	59.5	68.2	79.5	88.4	79.1	77.6
	AVG MIN	41.5	43.4	40.3	27.2	25.8	9.7	12.7	25.3	24.2	25.3	30.9	38.4	43.4	40.7	35.6
	AVERAGE	62.9	65.5	59.6	48.2	41.2	21.9	25.1	36.7	39.1	42.4	49.6	59.0	65.9	59.9	56.6
WESTWOOD	MAXIMUM	89	87	82	70	68	50	48	60	68	70	75	86	89	87	83
	MINIMUM	38	37	28	25	15	-1	-10	5	17	15	25	32	36	29	28
	AVG MAX	80.1	81.4	72.8	59.9	50.8	33.9	36.7	45.4	50.1	54.9	62.1	73.6	81.4	72.8	72.9
	AVG MIN	45.3	45.1	38.8	32.1	29.1	13.8	16.2	28.1	27.2	28.6	34.3	39.7	47.4	42.6	37.1
	AVERAGE	62.7	63.3	55.8	46.0	39.9	23.9	26.5	36.7	38.7	41.8	48.2	56.6	64.4	57.7	55.0
YUBA-BEAR RIVERS A6																
BANGOR	MAXIMUM	104	107	100	87	86	78	81	75	79	88	95	104	105	106	96
	MINIMUM	53	54	49	41	31	23	19	29	32	32	36	47	50	45	42
	AVG MAX	98.4	100.7	92.3	80.1	68.1	54.8	51.7	61.4	65.6	73.3	78.6	91.9	96.3	87.9	89.4
	AVG MIN	60.6	62.7	57.6	48.7	44.1	33.5	32.0	42.8	40.5	40.7	45.9	55.5	58.3	55.8	54.5
	AVERAGE	79.5	81.7	74.9	64.4	56.1	44.1	41.8	52.1	53.0	57.0	62.2	73.7	77.3	71.9	72.0
BEAR RIVER HEAD DAM	MAXIMUM	97	105	95	85	82	68	66	76	76	78	84	99	101	104	95
	MINIMUM	47	48	42	34	26	19	16	24	30	32	31	39	53	43	40
	AVG MAX	92.2	97.4	84.6	77.2	67.2	47.7	50.8	59.2	65.2	70.0	73.6	85.6	93.4	84.8	85.9
	AVG MIN	51.9	54.8	48.0	44.5	35.5	26.8	27.3	34.0	36.0	38.2	36.7	46.8	62.4	55.9	54.4
	AVERAGE	72.0	76.1	66.3	60.8	51.4	37.3	39.0	46.6	50.6	54.1	55.2	66.2	77.9	70.4	70.2
CHALLENGE RANGER STATION	MAXIMUM	96	101	97	84	84	75	75	76	73	81	87	99	98	101	96
	MINIMUM	52	51	47	30	29	21	22	31	27	28	32	43	51	40	37
	AVG MAX	91.8	95.2	83.8	72.4	66.5	48.9	53.6	57.7	58.5	67.8	71.7	84.4	91.3	82.1	84.6
	AVG MIN	58.1	60.2	54.3	42.6	39.8	29.1	29.2	38.0	35.5	39.9	43.1	53.5	56.9	53.1	51.0
	AVERAGE	74.9	77.7	69.0	57.5	53.2	39.0	41.4	47.8	47.0	53.8	57.4	68.9	74.1	67.6	67.8
CLIPPER GAP	MAXIMUM	100	106	98	92	90	80	82	84	84	88	90	100	102	108	102
	MINIMUM	54	54	50	40	32	24	24	36	32	30	34	46	50	46	44
	AVG MAX	95.9	100.2	91.7	82.9	71.0	57.9	59.2	65.2	69.0	74.0	76.3	88.1	94.8	89.2	95.7
	AVG MIN	60.3	62.4	57.1	47.4	43.3	32.9	33.6	42.1	40.3	42.2	46.5	55.9	60.3	56.5	54.1
	AVERAGE	78.1	81.3	74.4	65.1	57.1	45.4	46.4	53.8	54.6	58.1	61.4	72.0	77.6	72.8	74.9
COLGATE POWERHOUSE	MAXIMUM	106	109	101	88	82	78	80	78	83	90	95	107	106	108	100
	MINIMUM	58	57	56	44	32	23	21	32	31	34	39	51	58	48	46
	AVG MAX	101.2	103.4	94.8	81.5	68.3	55.8	53.8	63.2	69.2	77.4	81.3	94.2	99.4	90.5	92.0
	AVG MIN	63.9	66.2	61.2	50.6	45.4	34.2	32.3	42.9	42.4	44.6	49.0	59.4	63.7	59.9	57.4
	AVERAGE	82.6	84.8	78.0	66.1	56.9	45.0	43.1	53.1	55.8	61.0	65.1	76.8	81.5	75.2	74.7
FRENCH CORRAL	MAXIMUM	101	105	98	89	83	76	78	73	79	84	90	101	103	103	95
	MINIMUM	59	59	50	42	29	21	19	35	28	30	36	47	56	47	41
	AVG MAX	95.3	98.0	89.0	77.5	65.2	53.1	52.2	60.0	62.2	69.2	74.0	88.0	93.9	85.8	86.2
	AVG MIN	64.7	68.0	58.8	50.0	43.6	31.9	31.9	42.4	40.0	43.4	47.7	58.2	64.1	58.9	55.7
	AVERAGE	80.0	83.0	73.9	63.7	54.4	42.5	42.1	51.2	51.1	56.3	60.8	73.1	79.0	72.4	71.0
INDIAN ROCK	MAXIMUM	99	101	95	84	84	66	72	78	79	83	88	99	98	99	94
	MINIMUM	45	43	40	32	27	18	19	22	25	24	28	37	42	36	30
	AVG MAX	93.5	95.7	88.0	75.8	63.1	49.6	52.0	58.2	63.5	70.8	75.3	86.7	92.3	84.1	86.2
	AVG MIN	50.5	52.0	47.7	38.4	37.1	27.6	27.8	34.8	32.5	33.8	38.3	45.9	49.4	46.9	44.1
	AVERAGE	72.0	73.8	67.8	57.1	50.1	38.6	39.9	46.5	48.0	52.3	56.8	66.3	70.9	65.5	65.2
NORTH BLOOMFIELD	MAXIMUM	--	95	95	85	88	70	73	80	79	78	82	94	99	97	99
	MINIMUM	--	43	41	30	25	12	17	16	23	22	27	35	44	34	32
	AVG MAX	--	90.4	85.1	75.5	62.5	48.1	53.7	57.1	60.6	66.5	69.5	80.0	87.3	80.2	84.5
	AVG MIN	--	52.6	47.7	38.3	34.9	24.2	27.2	32.2	30.4	32.2	36.5	44.4	49.8	45.4	44.6
	AVERAGE	--	71.5	66.4	56.9	48.7	36.1	40.4	44.6	45.5	49.4	53.0	62.2	68.6	62.8	64.6
NORTH SAN JUAN 4 NE	MAXIMUM	98	101	97	85	87	77	77	--	79	85	89	99	100	101	95
	MINIMUM	47	46	42	34	25	17	16	24	25	25	30	40	45	40	33
	AVG MAX	93.1	96.0	88.4	77.1	65.9	54.3	55.4	--	64.9	71.9	73.9	85.2	92.4	85.7	87.3
	AVG MIN	54.0	54.4	49.8	40.0	37.8	27.7	28.6	--	34.9	35.6	41.3	48.9	53.3	50.9	46.4
	AVERAGE	73.5	75.2	69.1	58.5	51.8	41.0	42.0	--	49.9	53.8	57.6	67.0	72.9	68.3	66.9



TABLE A-4 (Cont.)  
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

Station Name		1967						1968								
		July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
SACRAMENTO RIVER BASIN																
YUBA-BEAR RIVERS A6																
RUSSELL RANCH	MAXIMUM	100	102	96	84	84	74	72	74	76	84	90	102	102	102	94
	MINIMUM	60	62	56	45	32	24	30	34	34	34	40	50	60	50	46
	AVG MAX	93.0	95.6	86.7	75.2	64.1	52.2	52.3	59.6	62.3	70.2	74.1	90.2	92.4	85.0	83.9
	AVG MIN	67.7	70.6	64.3	54.2	49.3	37.3	38.6	47.2	45.0	48.1	52.2	65.1	68.0	63.2	61.2
	AVERAGE	80.3	83.1	75.5	64.7	56.7	44.7	45.5	53.4	53.6	59.2	63.1	77.7	80.2	74.1	72.6
SHADY CREEK	MAXIMUM	100	104	98	86	86	80	78	79	77	84	90	100	102	105	100
	MINIMUM	56	55	52	42	32	22	24	30	31	30	36	46	53	44	40
	AVG MAX	95.2	97.3	89.1	77.4	68.1	53.8	54.2	60.6	64.3	69.8	74.3	87.2	94.2	86.5	89.0
	AVG MIN	61.4	64.2	58.2	47.8	43.4	32.7	33.4	41.2	39.6	42.3	46.3	55.6	60.9	56.3	55.1
	AVERAGE	78.3	80.7	73.6	62.6	55.7	43.3	43.8	50.9	52.0	56.1	60.3	71.4	77.6	71.4	72.1
WASHINGTON RIDGE	MAXIMUM	90	93	89	78	78	62	68	70	80	76	80	93	94	93	87
	MINIMUM	56	56	50	32	28	16	20	20	26	30	22	40	58	36	32
	AVG MAX	84.8	87.9	81.3	69.7	60.9	44.6	48.6	52.8	56.4	62.8	66.2	80.8	87.9	83.8	82.9
	AVG MIN	63.1	65.7	59.0	47.6	42.1	26.7	31.0	37.7	34.3	41.6	44.7	55.0	63.0	56.3	54.8
	AVERAGE	73.9	76.8	70.1	58.7	51.5	35.7	39.8	45.2	45.4	52.2	55.4	67.9	75.4	70.1	68.9
WASHINGTON	MAXIMUM	94	100	92	85	77	51	62	71	72	78	87	93	94	92	86
	MINIMUM	40	42	40	32	22	12	14	20	26	24	30	40	39	41	38
	AVG MAX	87.3	90.7	82.1	68.4	58.5	40.9	44.7	48.8	58.5	67.1	71.2	81.5	87.1	78.7	78.7
	AVG MIN	51.2	55.1	49.6	38.4	35.4	23.2	24.4	34.1	33.7	36.8	40.7	45.0	52.0	47.7	46.5
	AVERAGE	69.2	72.9	65.8	53.4	46.9	32.0	34.5	41.5	46.1	52.0	56.0	63.3	69.6	63.2	62.6
WEIMAR 1 W	MAXIMUM	96	96	90	82	76	72	68	73	76	82	84	94	95	98	94
	MINIMUM	52	52	47	38	30	20	22	28	30	28	33	43	52	42	38
	AVG MAX	90.5	89.6	--	75.0	63.8	50.7	53.2	59.9	59.8	68.6	71.6	83.7	89.2	82.4	83.8
	AVG MIN	59.1	59.0	--	44.6	42.6	30.8	33.0	41.9	40.6	41.3	44.0	53.8	58.3	54.5	52.1
	AVERAGE	74.8	74.3	--	59.8	53.2	40.8	43.1	50.9	50.2	54.9	57.8	68.7	73.8	68.5	68.0
AMERICAN RIVER A7																
BLODGETT EXP FOREST	MAXIMUM	96	94	86	74	73	65	64	65	69	75	80	92	92	91	85
	MINIMUM	56	55	49	32	26	13	17	22	25	26	28	40	56	37	37
	AVG MAX	86.2	87.3	78.5	66.2	56.3	43.6	46.7	50.4	53.4	61.4	65.0	78.2	84.5	75.9	77.5
	AVG MIN	62.1	63.7	56.5	47.6	41.9	28.7	32.3	36.9	35.0	38.5	43.6	54.6	61.5	54.6	54.9
	AVERAGE	74.2	75.5	67.5	56.9	49.1	36.2	39.5	43.7	44.2	50.0	54.3	66.4	73.0	65.3	66.2
COLFAX F F S	MAXIMUM	97	100	96	83	82	74	75	74	76	82	85	99	98	101	94
	MINIMUM	58	60	52	40	32	23	27	30	31	36	37	45	54	46	42
	AVG MAX	92.5	95.0	87.5	76.2	66.4	51.8	54.2	59.2	62.8	68.7	72.1	85.9	91.7	81.6	86.1
	AVG MIN	65.5	68.2	60.0	51.9	45.9	34.4	35.8	42.7	40.9	45.2	47.7	59.2	62.5	56.9	58.7
	AVERAGE	79.0	81.6	73.8	64.0	56.1	43.1	45.0	50.9	51.9	57.0	59.9	72.6	77.1	69.3	72.4
COLOMA	MAXIMUM	105	109	101	90	86	70	76	79	82	89	94	104	107	107	100
	MINIMUM	45	46	43	32	28	19	17	26	28	26	30	41	43	40	30
	AVG MAX	100.3	102.5	93.9	82.6	70.5	55.0	55.9	64.1	67.6	74.6	79.8	91.1	97.9	89.0	90.6
	AVG MIN	54.5	55.7	51.3	39.9	38.5	27.5	29.0	39.1	36.6	36.6	41.9	49.4	52.8	49.7	44.5
	AVERAGE	77.4	79.1	72.6	61.3	54.5	41.3	42.5	51.6	52.1	55.6	60.9	70.3	75.4	69.4	67.6
EL DORADO F F S	MAXIMUM	102	105	94	82	78	64	71	73	78	84	93	102	102	103	100
	MINIMUM	48	49	46	37	29	23	19	30	30	29	31	39	46	42	38
	AVG MAX	96.2	97.0	85.4	74.5	66.0	48.9	52.0	59.2	65.0	71.6	75.2	88.5	93.9	85.0	87.9
	AVG MIN	59.5	59.8	54.4	45.1	40.8	28.4	28.7	39.3	37.6	37.2	42.4	52.6	55.7	50.2	49.0
	AVERAGE	77.8	78.4	69.9	59.8	53.4	38.6	40.4	49.2	51.3	54.4	58.8	70.6	74.8	67.6	68.5
EL DORADO POWERHOUSE	MAXIMUM	94	99	92	77	69	58	66	69	74	79	84	96	98	98	93
	MINIMUM	52	58	53	40	32	22	24	29	28	30	34	46	55	43	42
	AVG MAX	89.9	93.1	84.5	66.6	59.6	43.1	46.8	55.6	62.5	67.8	71.6	84.3	90.6	84.1	83.6
	AVG MIN	62.2	66.7	58.0	48.9	42.5	30.1	31.6	40.0	39.5	42.1	47.7	56.3	62.2	56.2	55.9
	AVERAGE	76.0	79.9	71.3	57.8	51.1	36.6	39.2	47.8	51.0	55.0	59.7	70.3	76.4	70.2	69.7
HELL HOLE	MAXIMUM	96	94	88	80	80	68	68	67	70	76	85	93	110	97	90
	MINIMUM	51	56	49	35	21	15	20	25	19	28	27	42	42	35	39
	AVG MAX	87.1	88.5	81.2	71.8	60.7	48.0	51.3	54.8	55.6	62.2	68.8	--	88.9	76.9	84.6
	AVG MIN	58.7	62.1	55.8	47.5	41.7	28.7	33.2	37.3	33.6	38.3	42.9	--	57.1	51.8	55.0
	AVERAGE	72.9	75.3	68.5	59.6	51.2	38.4	42.2	46.1	44.6	50.2	55.8	--	73.0	64.4	69.8
IOWA HILL	MAXIMUM	101	106	100	87	86	75	75	78	79	86	--	--	--	--	--
	MINIMUM	60	60	56	39	32	21	27	29	30	34	--	--	--	--	--
	AVG MAX	95.9	98.7	89.8	77.2	67.2	49.6	54.3	58.8	62.4	69.6	--	--	--	--	--
	AVG MIN	65.1	68.7	61.2	50.9	45.9	32.1	35.0	42.3	40.9	44.7	--	--	--	--	--
	AVERAGE	80.5	83.7	75.5	64.1	56.6	40.9	44.7	50.6	51.7	57.2	--	--	--	--	--
MOUNT DANAEHER	MAXIMUM	99	102	92	80	79	72	73	73	73	82	86	100	99	100	96
	MINIMUM	63	62	49	40	30	18	23	29	29	32	31	41	59	40	41
	AVG MAX	91.0	94.5	84.3	72.6	63.2	48.1	51.5	56.1	59.5	66.7	70.5	84.5	91.4	83.1	84.2
	AVG MIN	67.5	68.7	59.7	54.1	47.0	33.4	37.2	42.9	41.0	44.7	48.9	59.0	66.5	59.4	60.4
	AVERAGE	79.3	81.6	72.0	63.3	55.1	40.8	44.4	49.5	50.3	55.7	59.7	71.8	79.0	71.3	72.3
CACHE CREEK A8																
CAPAY 4 W	MAXIMUM	105	108	102	89	87	80	76	78	82	90	98	103	107	108	98
	MINIMUM	50	55	51	42	26	19	19	30	32	32	39	42	53	51	48
	AVG MAX	98.1	101.0	93.3	81.9	68.0	57.2	54.1	62.8	67.6	75.3	80.2	92.1	96.6	88.0	91.0
	AVG MIN	59.3	61.9	58.8	49.0	43.3	32.4	30.3	42.6	38.9	44.2	47.6	57.4	59.3	58.3	56.3
	AVERAGE	78.7	81.5	76.1	65.4	55.7	44.8	42.2	52.7	53.2	59.7	63.9	74.8	78.0	73.2	73.7



TABLE A-4 (Cont.)  
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

Station Name		1967						1968									
		July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	
SACRAMENTO RIVER BASIN																	
CACHE CREEK A8																	
COBB	MAXIMUM	94	98	94	84	84	75	71	74	78	79	83	96	96	96	93	
	MINIMUM	42	42	40	33	28	20	20	27	26	24	30	36	42	39	32	
	AVG MAX	88.5	91.2	84.9	74.5	63.9	53.2	53.4	58.3	60.2	68.0	70.3	82.4	88.0	80.3	82.9	
	AVG MIN	49.7	50.2	47.8	40.7	38.2	30.2	30.5	36.4	35.2	35.7	38.7	49.0	49.6	48.2	46.2	
	AVERAGE	69.1	70.7	66.4	57.6	51.0	41.7	42.0	47.4	47.7	51.9	54.5	65.7	68.8	64.2	64.6	
FINLEY 1 SSE	MAXIMUM	100	104	101	85	86	78	77	74	80	85	88	102	103	102	102	
	MINIMUM	44	43	42	32	27	21	18	29	27	29	30	37	44	43	34	
	AVG MAX	95.0	97.8	91.2	77.1	67.0	54.4	53.7	60.0	63.4	71.3	74.7	88.5	94.9	86.7	89.7	
	AVG MIN	52.0	51.9	49.1	40.3	38.3	27.7	28.8	38.9	36.2	35.5	40.1	47.4	51.3	50.1	46.1	
	AVERAGE	73.5	75.0	70.2	58.7	52.7	41.1	41.2	49.5	49.8	53.4	57.4	68.0	73.1	68.4	67.9	
FINLEY 5 SW	MAXIMUM	98	104	100	88	90	80	76	77	80	90	86	100	99	104	97	
	MINIMUM	46	44	46	33	28	20	19	30	27	26	30	36	45	43	35	
	AVG MAX	91.2	94.9	88.3	76.9	66.9	55.8	54.4	61.4	62.9	71.2	72.8	83.4	89.8	83.2	84.7	
	AVG MIN	52.5	52.6	51.2	42.3	37.8	28.9	29.7	39.1	36.5	35.8	40.9	47.7	52.3	51.5	48.3	
	AVERAGE	71.9	73.8	69.8	59.6	52.4	42.4	42.1	50.3	49.7	53.5	56.9	65.6	71.0	67.4	66.5	
HIGH VALLEY MITCHELL	MAXIMUM	102	102	98	88	90	80	78	70	78	82	84	100	100	100	100	
	MINIMUM	46	44	44	38	28	18	16	28	26	27	32	38	40	42	32	
	AVG MAX	94.6	97.0	89.1	77.1	66.6	54.8	52.2	57.2	61.1	65.4	75.2	86.3	93.3	84.0	87.3	
	AVG MIN	52.6	51.7	49.2	41.0	38.5	28.3	27.3	36.0	35.5	36.5	42.4	47.1	51.2	49.9	49.5	
	AVERAGE	73.6	74.4	69.2	59.0	52.6	41.6	39.8	46.6	48.3	51.0	58.8	66.7	72.2	67.0	68.4	
KELSEYVILLE	MAXIMUM	101	105	100	86	87	79	78	74	82	85	85	101	103	104	100	
	MINIMUM	47	46	46	34	31	23	21	31	30	29	31	39	48	44	36	
	AVG MAX	96.0	99.0	90.9	77.7	66.4	55.3	54.1	61.0	62.9	72.1	73.9	88.4	94.9	84.3	89.2	
	AVG MIN	55.6	55.3	52.0	43.2	40.2	31.0	30.4	40.2	37.5	36.7	41.6	49.7	54.3	53.1	49.3	
	AVERAGE	75.8	77.2	71.5	60.5	53.3	43.2	42.3	50.6	50.2	54.4	57.8	69.0	74.6	68.7	69.2	
LONG VALLEY GARNER RANCH	MAXIMUM	99	--	--	81	81	--	73	71	79	82	84	99	101	100	--	
	MINIMUM	46	--	--	32	24	17	14	22	24	25	28	34	42	40	--	
	AVG MAX	92.1	--	--	72.2	62.4	--	48.5	55.9	59.9	68.9	70.9	84.7	91.4	81.8	--	
	AVG MIN	52.7	--	--	37.2	34.3	--	24.6	34.4	32.6	32.9	36.2	43.9	48.9	47.5	--	
	AVERAGE	72.4	--	--	54.7	48.4	--	36.6	45.2	46.3	50.9	53.6	64.3	70.2	64.6	--	
LOWER LAKE	MAXIMUM	101	106	100	88	89	78	76	78	81	86	88	103	103	105	100	
	MINIMUM	50	45	44	36	28	22	16	28	29	28	34	42	44	44	42	
	AVG MAX	95.8	99.3	92.1	79.9	68.6	55.0	54.1	62.5	63.2	73.0	76.9	85.2	96.0	88.9	92.0	
	AVG MIN	55.3	53.6	50.6	42.8	39.4	32.5	29.5	40.2	37.0	37.5	42.2	51.5	54.9	51.5	40.8	
	AVERAGE	75.6	76.5	71.4	61.4	54.0	43.8	41.8	51.4	50.1	55.3	59.6	68.4	75.4	70.2	66.4	
MORGAN VALLEY STANLEY	MAXIMUM	96	102	94	83	84	71	68	68	76	80	83	99	101	101	94	
	MINIMUM	45	42	41	33	26	17	14	25	31	30	30	38	33	38	37	
	AVG MAX	88.8	95.5	86.2	73.9	61.9	49.5	49.6	56.6	59.0	65.8	70.9	84.4	92.5	82.7	84.0	
	AVG MIN	52.1	51.9	51.3	41.3	39.5	32.7	31.4	37.3	35.7	39.6	40.0	48.5	49.8	49.7	48.2	
	AVERAGE	70.5	73.7	68.8	57.6	50.7	41.1	40.5	47.0	47.4	52.7	55.5	66.4	71.2	66.2	66.1	
RUMSEY 1 NW	MAXIMUM	105	111	103	90	90	74	75	78	82	90	97	107	111	108	99	
	MINIMUM	56	60	54	44	32	22	17	32	37	38	41	51	58	51	47	
	AVG MAX	100.4	102.3	94.4	81.7	68.4	55.7	53.3	63.3	66.8	75.3	80.6	93.5	98.9	90.7	91.5	
	AVG MIN	66.1	67.2	60.8	52.2	45.1	36.3	33.3	43.1	43.2	46.4	50.9	62.0	64.4	60.9	59.0	
	AVERAGE	83.3	84.8	77.6	67.0	56.8	46.0	43.3	53.2	55.0	60.8	65.8	77.8	81.7	75.8	75.3	
PUTAH CREEK A9																	
MIDDLETOWN	MAXIMUM	100	103	101	89	91	81	72	78	82	86	93	102	102	102	102	
	MINIMUM	42	43	42	35	28	21	17	27	21	28	33	39	43	44	36	
	AVG MAX	94.5	97.7	90.9	79.6	70.4	55.4	57.0	64.6	65.4	73.6	76.3	89.3	94.3	86.0	90.0	
	AVG MIN	53.4	52.7	52.5	42.5	38.9	27.8	27.8	34.9	34.0	36.6	40.8	49.5	52.1	51.2	48.3	
	AVERAGE	74.0	75.2	71.7	61.0	54.6	41.6	42.4	49.8	49.7	55.1	58.5	69.4	73.2	68.6	69.2	
PLEASANTS VALLEY	MAXIMUM	106	110	100	90	90	77	76	77	82	91	98	106	108	106	101	
	MINIMUM	49	52	52	42	31	21	21	29	34	36	36	49	48	46	51	
	AVG MAX	100.0	102.0	93.6	82.4	69.7	56.4	54.5	63.4	67.4	76.4	80.8	93.7	98.5	90.5	91.4	
	AVG MIN	59.9	59.8	57.6	49.5	45.4	32.5	34.4	43.7	45.5	50.1	49.2	61.9	57.6	57.6	57.4	
	AVERAGE	80.0	80.9	75.6	66.0	57.6	44.5	44.5	53.6	56.5	63.3	65.0	77.8	87.6	74.5	74.4	
POPE VALLEY 2 E	MAXIMUM												103	102	104	96	
	MINIMUM												31	40	40	32	
	AVG MAX												RB	89.2	93.1	84.7	86.3
	AVG MIN												--	42.6	44.3	46.3	42.8
	AVERAGE												--	65.9	68.7	65.5	64.5
SAN JOAQUIN RIVER BASIN																	
SAN JOAQUIN VALLEY FLOOR B0																	
CAMANCHE DAM	MAXIMUM	104	107	99	101	83	70	--									
	MINIMUM	47	50	49	40	20	20	--									
	AVG MAX	96.9	97.0	90.0	82.6	68.5	58.2	RE									
	AVG MIN	58.1	60.6	57.2	45.9	43.5	31.2	--									
	AVERAGE	77.5	78.8	73.6	64.3	56.0	44.7	--									



TABLE A-4 (Cont.)  
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

Station Name		1967						1968								
		July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
SAN JOAQUIN RIVER BASIN																
SAN JOAQUIN VALLEY FLOOR BO																
CAMANCHE NORTH STATION	MAXIMUM	106	107	98	90	84	65	62	72	90	92	94	105	108	106	97
	MINIMUM	54	55	54	40	22	20	22	36	30	34	38	38	51	50	43
	AVG MAX	98.6	99.1	91.0	81.8	68.7	58.2	53.8	61.9	69.1	74.8	80.2	91.7	95.4	88.4	88.6
	AVG MIN	63.8	65.3	61.8	52.7	46.8	33.4	35.9	46.2	43.8	44.4	50.5	58.2	62.1	58.9	57.1
	AVERAGE	81.2	82.2	76.4	67.2	57.7	45.8	44.9	54.1	56.5	59.6	65.4	75.0	78.8	73.7	72.9
CAMANCHE SOUTH STATION	MAXIMUM	104	105	98	90	84	68	63	72	89	92	95	106	108	106	97
	MINIMUM	58	59	53	40	40	20	26	36	32	34	44	43	53	52	47
	AVG MAX	98.3	98.9	92.0	82.4	69.7	59.0	54.3	62.3	68.8	75.1	81.2	92.5	96.3	89.1	89.2
	AVG MIN	67.7	67.3	64.8	53.7	48.0	34.6	37.6	47.4	43.8	46.0	53.3	60.8	64.4	61.6	59.6
	AVERAGE	83.0	83.1	78.4	68.1	58.8	46.8	45.9	54.9	56.3	60.6	67.3	76.7	80.4	75.4	74.4
CENTRAL VALLEY HATCHERY	MAXIMUM	100	100	93	86	79	68	63	74	82	85	90	100	101	101	94
	MINIMUM	52	54	53	43	34	24	22	32	32	36	40	46	52	48	44
	AVG MAX	93.3	93.3	86.8	78.4	66.1	52.8	51.5	62.6	67.5	72.8	78.1	87.7	90.5	84.7	83.8
	AVG MIN	58.8	59.3	57.3	47.1	43.8	30.6	32.8	43.5	41.7	41.9	47.4	55.2	56.3	55.3	53.5
	AVERAGE	76.1	76.3	72.1	62.7	54.9	41.7	42.2	53.0	54.6	57.4	62.8	71.5	73.4	70.0	68.7
GALT	MAXIMUM	109	107	102	85	79	64	66	75	82	92	102	110	111	105	96
	MINIMUM	50	56	52	44	36	26	24	32	33	33	38	46	50	48	42
	AVG MAX	102.0	98.9	89.7	79.3	67.0	53.4	52.6	63.4	68.6	77.2	83.7	96.0	100.3	90.4	88.2
	AVG MIN	59.4	58.7	57.2	47.4	44.6	31.7	33.8	45.2	41.6	41.9	46.7	54.6	57.4	57.0	52.8
	AVERAGE	80.7	78.8	73.5	63.3	55.8	42.5	43.2	54.3	55.1	59.5	65.2	75.3	78.9	73.7	70.5
KJOY RADIO	MAXIMUM	102	105	99	90	81	65	65	78	85	--	--	--	--	--	--
	MINIMUM	50	58	55	41	36	28	28	35	38	--	--	--	--	--	--
	AVG MAX	94.8	95.9	90.1	81.2	66.5	53.4	51.9	63.0	67.3	RE	RE	RE	RE	RE	RE
	AVG MIN	63.1	64.0	59.9	50.7	46.9	35.8	36.2	46.8	43.6	--	--	--	--	--	--
	AVERAGE	79.0	80.0	75.0	66.0	56.7	44.6	44.1	54.9	55.5	--	--	--	--	--	--
LOCKEFORD	MAXIMUM	104	104	98	87	82	63	60	74	79	89	94	103	105	101	97
	MINIMUM	49	50	50	39	31	21	21	29	27	32	38	42	47	46	43
	AVG MAX	96.7	97.1	89.6	79.0	64.5	51.3	49.4	61.3	65.5	72.8	78.5	89.5	92.7	87.1	85.8
	AVG MIN	56.6	57.5	55.2	44.7	42.6	29.7	31.0	41.8	39.1	39.2	45.5	53.3	54.9	52.0	50.8
	AVERAGE	76.6	77.3	72.4	61.9	53.5	40.5	40.2	51.6	52.3	56.0	62.0	71.4	73.8	69.6	68.3
COSUMNES RIVER B1																
CEDARVILLE TREE FARM	MAXIMUM	94	95	88	81	77	62	75	73	72	77	82	93	95	97	87
	MINIMUM	48	49	45	34	28	15	19	24	24	20	29	37	47	38	33
	AVG MAX	87.4	89.8	81.2	72.8	62.8	48.5	52.9	57.4	58.9	62.7	67.5	79.9	85.3	79.2	80.9
	AVG MIN	54.2	57.0	50.7	40.3	36.8	24.8	27.9	34.6	32.3	32.7	38.8	47.9	53.0	48.4	46.8
	AVERAGE	70.8	73.4	65.9	56.6	49.8	36.7	40.4	46.0	45.6	47.7	53.1	63.9	69.2	63.8	63.9
D'AGOSTINI WINERY	MAXIMUM	103	106	96	87	82	66	70	72	75	84	91	102	105	105	96
	MINIMUM	53	54	50	41	32	18	24	31	31	30	35	42	50	44	42
	AVG MAX	97.0	98.4	89.0	78.0	66.6	50.2	52.8	59.2	61.2	68.3	74.1	88.0	93.5	85.5	86.6
	AVG MIN	62.7	64.3	57.5	47.5	43.6	32.0	33.8	41.9	40.2	41.7	45.4	54.7	59.1	54.5	52.9
	AVERAGE	79.9	81.4	73.2	62.8	55.1	41.1	43.3	50.5	50.7	55.0	59.7	71.4	76.3	70.0	69.8
DIAMOND SPRINGS	MAXIMUM	100	100	97	86	80	67	64	75	76	79	88	99	102	100	96
	MINIMUM	56	57	52	40	31	24	23	32	33	31	34	39	51	47	41
	AVG MAX	94.8	96.6	--	76.8	66.6	50.4	51.0	59.6	61.9	--	73.7	85.6	93.5	88.6	84.8
	AVG MIN	63.6	66.8	--	51.0	44.6	32.4	32.5	42.7	41.4	--	45.8	55.9	62.3	57.5	54.1
	AVERAGE	79.2	81.7	--	63.9	55.6	41.4	41.8	51.1	51.7	--	59.7	70.7	77.9	73.1	69.5
PLYMOUTH 6 NW	MAXIMUM	102	104	94	84	75	58	59	74	77	85	93	104	106	104	101
	MINIMUM	52	52	51	36	32	21	20	28	28	26	33	40	44	43	34
	AVG MAX	95.9	97.1	87.1	75.2	60.9	47.7	46.5	57.9	63.6	71.0	77.9	91.2	95.5	87.7	87.0
	AVG MIN	57.0	61.3	56.5	45.6	42.7	30.4	31.0	40.7	36.6	36.8	41.6	49.7	53.7	51.8	47.5
	AVERAGE	76.4	79.2	71.8	60.4	51.8	39.0	38.8	49.3	50.1	53.9	59.8	70.5	74.6	69.8	67.3
SLY PARK	MAXIMUM	99	101	95	83	81	69	73	73	74	81	85	98	99	100	96
	MINIMUM	51	48	46	35	27	15	21	25	25	27	31	41	51	40	36
	AVG MAX	91.9	94.5	85.2	74.2	64.1	48.1	51.7	55.4	58.6	65.9	70.4	84.2	90.9	82.5	84.3
	AVG MIN	55.3	55.3	50.4	41.2	38.0	25.8	28.7	34.6	33.1	36.3	41.5	50.4	56.8	51.1	49.5
	AVERAGE	73.6	74.9	67.8	57.7	51.1	37.0	40.2	45.0	45.9	51.1	55.9	67.3	73.9	66.8	66.9
SOMERSET 5 ESE	MAXIMUM	95	99	90	85	80	78	77	73	73	78	85	96	99	98	94
	MINIMUM	58	59	53	39	30	20	25	29	29	32	33	44	57	42	41
	AVG MAX	90.7	93.5	84.0	74.9	64.0	51.1	53.1	58.5	59.6	64.2	69.3	83.4	89.3	81.5	83.2
	AVG MIN	64.5	67.4	60.1	50.7	45.0	32.8	35.5	41.8	38.9	41.2	45.9	57.0	63.7	57.0	57.6
	AVERAGE	77.6	80.4	72.1	62.8	54.5	41.9	44.3	50.2	49.2	52.7	57.6	70.2	76.5	69.3	70.4
MOKELUMNE-CALAVERAS RIVERS B2																
ALTAVILLE	MAXIMUM	104	106	97	89	83	68	70	74	79	86	89	104	107	104	100
	MINIMUM	50	54	52	39	33	23	22	30	30	28	34	34	52	42	38
	AVG MAX	97.9	99.9	90.6	80.6	71.6	--	55.9	62.7	64.2	70.7	75.9	90.7	97.3	88.5	89.7
	AVG MIN	59.8	61.5	56.6	45.7	42.9	--	30.3	40.0	38.0	38.9	43.8	52.0	58.2	53.2	51.3
	AVERAGE	78.9	80.7	73.6	63.1	57.3	--	43.1	51.3	51.1	54.8	59.9	71.4	77.8	70.9	70.5
HOGAN DAM	MAXIMUM	102	105	98	87	82	67	68	74	78	87	92	102	105	104	96
	MINIMUM	46	48	45	33	31	19	24	31	31	28	31	36	47	43	38
	AVG MAX	96.8	98.2	89.6	79.9	68.0	53.9	53.3	62.4	65.6	72.4	77.3	89.9	94.3	87.4	87.2
	AVG MIN	56.7	58.1	53.2	45.2	43.4	30.4	32.3	42.5	39.8	38.7	41.6	50.1	55.7	51.9	49.4
	AVERAGE	76.8	78.2	71.4	62.5	55.7	42.2	42.8	52.5	52.7	55.5	59.5	70.0	75.0	69.7	68.3



TABLE A-4 (Cont.)  
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

Station Name		1967						1968								
		July	Aug	Sept	Oct	Nov	Dec.	Jan	Feb	Mar.	Apr.	May	June	July	Aug	Sept
SAN JOAQUIN RIVER BASIN																
MOKELUMNE-CALAVERAS RIVERS B2																
JACKSON 1 NW	MAXIMUM	100	103	94	85	79	66	67	71	73	83	89	99	102	102	92
	MINIMUM	55	57	51	42	33	24	22	33	33	33	36	46	53	45	41
	AVG MAX	94.7	96.1	86.6	77.4	64.5	51.5	51.7	60.2	61.5	67.7	73.8	87.4	91.6	84.7	84.1
	AVG MIN	63.4	66.1	59.5	51.6	45.6	33.6	34.5	43.9	42.4	43.4	46.3	56.1	60.6	56.2	54.3
	AVERAGE	79.0	81.1	73.0	64.5	55.1	42.6	43.1	52.1	52.0	55.5	60.1	71.8	76.1	70.5	69.2
MOKELUMNE HILL 5 E	MAXIMUM	104	101	99	84	80	66	70	76	81	85	91	103	101	102	96
	MINIMUM	50	52	50	39	30	19	22	32	27	27	32	41	50	42	39
	AVG MAX	96.8	95.1	86.8	76.4	65.2	51.0	53.1	62.3	65.9	71.4	76.9	90.0	93.6	88.2	87.0
	AVG MIN	57.6	60.6	54.6	44.9	41.6	30.4	31.1	39.6	36.6	37.1	42.2	52.8	57.5	52.7	50.7
	AVERAGE	77.2	77.8	70.7	60.6	53.4	40.7	42.1	51.0	51.3	54.2	59.5	71.4	75.6	70.5	68.9
PRESTON SCHOOL	MAXIMUM	108	107	98	92	79	66	65	76	81	90	96	106	108	106	96
	MINIMUM	56	56	52	42	36	22	27	38	36	34	40	52	54	50	42
	AVG MAX	99.9	100.4	91.1	82.7	66.1	53.9	52.7	64.2	67.9	75.6	81.4	94.4	97.4	90.4	88.9
	AVG MIN	63.9	64.9	60.5	50.7	46.8	32.9	36.0	46.8	44.4	44.7	50.3	60.2	60.3	59.2	56.7
	AVERAGE	81.9	82.7	75.8	66.7	56.4	43.4	44.4	55.5	56.1	60.2	65.9	77.3	78.9	74.8	72.8
RAILROAD FLAT	MAXIMUM	98	102	92	86	80	68	75	74	75	81	87	98	105	101	94
	MINIMUM	45	51	48	36	30	14	20	24	27	26	33	38	47	40	35
	AVG MAX	92.6	96.0	85.7	76.6	64.9	50.2	53.9	59.1	60.8	67.1	71.5	85.2	93.5	84.4	84.4
	AVG MIN	56.5	58.2	53.2	43.1	39.9	26.9	29.4	36.5	34.8	36.1	40.8	49.0	54.9	48.4	48.7
	AVERAGE	74.6	77.1	69.4	59.9	52.4	38.5	41.7	47.8	47.8	51.6	56.2	67.1	74.2	66.4	66.6
SAN ANDREAS 2 S	MAXIMUM	105	108	100	90	81	72	69	78	76	88	94	102	106	105	96
	MINIMUM	46	49	46	35	32	18	19	28	29	27	32	38	47	40	32
	AVG MAX	98.6	100.5	90.5	81.7	67.0	55.4	55.5	63.6	66.3	73.6	78.4	91.2	96.5	90.1	88.5
	AVG MIN	55.3	57.6	52.6	40.6	39.8	28.2	29.0	39.0	37.5	37.0	43.2	49.4	54.0	49.8	45.2
	AVERAGE	77.0	79.0	71.5	61.1	53.4	41.8	42.3	51.3	51.9	55.3	60.8	70.3	75.3	70.0	66.9
SAN ANDREAS RANGER STN	MAXIMUM	106	110	99	88	81	68	66	76	77	87	92	101	105	104	95
	MINIMUM	49	47	45	37	30	11	20	29	31	28	33	40	49	41	36
	AVG MAX	--	100.5	89.6	79.7	68.1	52.3	52.9	62.6	64.4	71.7	77.1	89.1	94.7	87.8	86.7
	AVG MIN	57.3	57.7	52.4	42.6	41.4	26.9	29.1	40.5	38.2	38.1	43.3	51.2	56.2	50.7	48.5
	AVERAGE	--	79.1	71.0	61.2	54.8	39.6	41.0	51.6	51.3	54.9	60.2	70.1	75.5	69.3	67.6
WILSEYVILLE SCHAADS	MAXIMUM	--	100	90	70	67	47	80	75	75	82	82	98	108	102	98
	MINIMUM	--	54	50	36	28	14	16	22	22	22	30	40	49	36	24
	AVG MAX	--	88.1	78.6	62.1	51.7	36.2	54.9	56.0	60.3	65.6	66.0	79.0	89.6	81.5	81.3
	AVG MIN	--	60.2	54.5	43.6	40.0	25.2	29.4	37.1	34.7	36.7	40.9	50.9	57.5	50.8	45.7
	AVERAGE	--	74.1	66.6	52.8	45.9	30.7	42.1	46.6	47.5	51.2	53.5	64.9	73.6	66.1	63.5
SAN JOAQUIN VALLEY WEST SIDE B8																
ALTAMONT 4 E	MAXIMUM	104	106	92	88	87	68	68	70	80	84	90	100	102	100	94
	MINIMUM	52	58	58	48	30	24	24	36	32	34	40	50	52	52	52
	AVG MAX	95.9	96.3	87.5	79.0	68.2	53.7	50.8	60.3	65.3	71.5	76.3	87.5	90.8	85.5	85.5
	AVG MIN	64.4	63.7	60.6	57.8	44.0	33.4	33.2	45.9	43.0	44.4	47.5	56.1	59.0	60.0	58.2
	AVERAGE	80.2	80.0	74.0	68.4	56.1	43.6	42.0	53.1	54.2	58.0	61.9	71.8	74.9	72.8	71.7
PITTSBURG DOW CHEMICAL	MAXIMUM	103	103	98	89	87	74	69	77	86	89	92	100	100	99	96
	MINIMUM	58	58	60	52	35	29	28	38	44	46	47	57	57	56	56
	AVG MAX	91.8	96.7	88.0	81.5	68.3	57.2	54.6	64.3	68.8	75.4	77.1	87.7	89.0	83.3	84.0
	AVG MIN	65.4	66.5	64.9	58.7	51.7	39.3	38.3	50.4	50.5	54.0	57.8	63.8	62.2	61.8	60.9
	AVERAGE	78.6	81.6	76.4	70.1	60.0	48.2	46.5	57.3	59.7	64.7	67.5	75.7	75.6	72.5	72.4
SACRAMENTO-SAN JOAQUIN DELTA B9																
BRANNAN ISLAND	MAXIMUM	100	104	95	87	--	68	65	73	82	88	90	100	99	100	95
	MINIMUM	53	45	47	41	--	25	23	33	40	42	42	52	54	52	46
	AVG MAX	90.5	92.9	86.1	79.8	--	53.7	52.6	62.1	67.3	73.0	74.9	85.7	89.7	83.8	83.5
	AVG MIN	61.9	58.5	58.5	49.5	--	31.8	34.4	44.6	45.4	48.7	52.4	58.1	59.3	58.8	57.6
	AVERAGE	76.2	75.7	72.3	64.6	--	42.7	43.5	53.4	56.4	60.9	63.7	71.9	74.5	71.3	70.6
BRENTWOOD	MAXIMUM	103	104	99	89	85	71	68	73	83	88	93	102	105	103	95
	MINIMUM	48	51	43	40	29	22	23	32	35	37	37	44	48	49	47
	AVG MAX	95.7	98.0	89.3	81.2	67.9	55.8	52.4	63.4	68.2	74.8	76.6	90.1	93.2	87.0	86.7
	AVG MIN	56.1	56.1	54.5	46.8	42.7	32.7	31.4	42.1	41.0	43.9	47.1	55.1	53.5	54.1	51.6
	AVERAGE	75.9	77.0	71.9	64.0	55.3	44.2	41.9	52.7	54.6	59.3	61.8	72.6	73.4	70.6	69.2
MOUNTAIN HOUSE	MAXIMUM	103	105	96	86	80	67	67	72	82	88	93	101	104	102	101
	MINIMUM	55	57	57	48	34	27	29	36	37	44	45	51	54	54	53
	AVG MAX	95.6	97.3	88.2	78.4	68.3	56.0	53.1	61.1	66.0	73.4	77.5	89.0	91.8	85.1	84.8
	AVG MIN	64.4	64.2	62.1	55.5	48.1	34.5	35.6	45.2	45.6	50.4	52.5	58.9	60.4	59.4	58.7
	AVERAGE	80.0	80.8	75.2	67.0	58.2	45.3	44.4	53.2	55.8	61.9	65.0	74.0	76.1	72.3	71.8
RIO VISTA	MAXIMUM	102	105	99	88	82	68	64	72	82	88	93	102	106	104	95
	MINIMUM	56	56	58	48	36	28	24	34	38	40	42	53	52	54	50
	AVG MAX	93.4	94.6	88.7	80.3	69.9	54.9	52.6	62.1	67.4	75.0	76.8	87.5	92.6	86.6	86.0
	AVG MIN	60.9	61.0	60.3	52.9	47.1	33.3	34.1	45.9	45.2	47.3	52.8	58.5	58.8	58.7	57.8
	AVERAGE	77.2	77.8	74.5	66.6	58.5	44.1	43.4	54.0	56.3	61.1	64.8	73.0	75.7	72.7	71.9
TRACY FIRE STATION	MAXIMUM	104	106	96	90	84	69	68	77	85	92	96	104	103	102	95
	MINIMUM	40	54	46	42	30	27	24	36	41	42	60	49	53	53	47
	AVG MAX	97.1	98.3	90.0	81.2	67.6	55.6	53.5	62.9	68.5	76.0	79.6	90.5	92.3	86.8	85.0
	AVG MIN	61.0	63.4	61.4	54.0	47.4	35.5	36.2	49.2	46.1	50.4	54.6	61.2	60.4	59.5	55.6
	AVERAGE	79.0	80.9	75.7	67.6	57.5	45.5	44.8	56.0	57.3	63.2	67.1	75.8	76.4	73.2	70.3

TABLE A-4 (Cont.)  
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

Station Name		1967						1968								
		July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
SAN JOAQUIN RIVER BASIN																
SACRAMENTO-SAN JOAQUIN DELTA B9																
TRACY S P	MAXIMUM	105	110	100	92	87	68	68	77	82	87	95	104	105	104	--
	MINIMUM	50	50	50	43	29	22	18	30	35	34	38	42	44	47	--
	AVG MAX	97.9	101.6	92.8	86.6	70.1	56.1	55.8	65.9	69.8	76.2	78.9	93.4	94.4	88.3	--
	AVG MIN	59.3	60.8	55.3	49.7	43.8	30.4	30.0	41.9	42.9	47.1	51.2	57.8	59.1	57.3	--
	AVERAGE	78.6	81.2	74.0	68.1	56.9	43.3	42.9	53.9	56.4	61.7	65.0	75.6	76.8	72.8	--
NORTH LAHONTAN AREA																
SURPRISE VALLEY G1																
CEDARVILLE 12 SE	MAXIMUM	97	98	91	78	72	48	51	60	--	78	80	95	99	99	90
	MINIMUM	49	47	36	22	17	0	5	18	--	15	22	34	39	37	28
	AVG MAX	88.4	91.1	81.9	65.9	53.4	35.0	39.8	48.7	--	57.3	66.2	78.6	90.1	77.1	76.2
	AVG MIN	56.7	58.0	50.9	37.6	32.1	17.3	20.7	31.4	--	30.1	39.5	48.6	57.7	50.3	45.0
	AVERAGE	72.6	74.6	66.4	51.8	42.8	26.2	30.2	40.0	--	43.7	52.8	63.6	73.9	63.7	60.6
EAGLE LAKE G3																
EAGLE LAKE NELSON	MAXIMUM	96	93	86	74	67	44	48	60	73	79	84	98	98	91	92
	MINIMUM	45	46	38	28	20	0	-2	0	16	20	22	33	35	34	27
	AVG MAX	88.0	88.7	77.1	65.2	52.9	33.5	36.6	48.2	53.7	60.2	69.4	81.3	90.9	78.0	79.0
	AVG MIN	51.5	52.9	47.6	36.1	32.9	12.4	13.8	25.9	25.9	27.9	34.4	43.2	51.6	45.0	39.9
	AVERAGE	69.8	70.8	62.4	50.7	42.9	23.0	25.2	37.0	39.8	44.1	51.9	62.2	71.2	61.5	59.4
SUSAN RIVER G4																
LASSEN CONSERVATION CTR	MAXIMUM	100	99	89	80	75	54	53	62	73	76	82	95	100	89	89
	MINIMUM	37	41	29	22	14	1	-7	5	16	21	20	29	38	32	25
	AVG MAX	90.9	92.1	81.8	67.3	55.7	39.2	41.6	51.1	56.2	60.6	69.2	81.3	89.6	78.7	79.2
	AVG MIN	46.6	51.1	46.0	31.7	28.3	15.4	16.5	26.7	26.9	30.2	35.8	43.8	50.8	47.1	37.3
	AVERAGE	68.8	71.6	63.9	49.5	42.0	27.3	29.0	38.9	41.6	45.4	52.5	62.6	70.2	62.9	58.2
SECRET VALLEY	MAXIMUM	101	98	91	79	73	54	55	65	74	79	83	98	103	94	94
	MINIMUM	35	35	24	15	4	-4	-20	0	9	12	14	32	34	29	21
	AVG MAX	91.1	92.9	83.3	68.8	55.1	39.8	42.0	52.2	56.8	61.8	71.0	81.7	91.7	80.4	80.6
	AVG MIN	44.0	45.0	39.9	25.5	23.2	9.0	11.4	25.4	21.3	23.8	31.3	44.3	49.6	42.9	35.9
	AVERAGE	67.6	69.0	61.6	47.2	39.2	24.4	26.7	38.8	39.0	42.8	51.2	63.0	70.6	61.6	58.2
SUSANVILLE COURTHOUSE	MAXIMUM	100	96	87	73	71	48	49	61	72	80	84	96	97	89	84
	MINIMUM	48	49	36	28	20	5	4	12	21	20	24	39	50	38	30
	AVG MAX	89.0	90.2	78.2	64.4	52.6	36.5	40.3	50.9	56.2	62.0	72.5	80.8	89.2	76.9	74.1
	AVG MIN	54.1	57.6	50.3	38.0	33.4	19.1	21.3	31.3	31.6	31.9	39.7	49.6	59.4	51.3	44.1
	AVERAGE	71.6	73.4	64.3	51.2	43.0	27.8	30.8	41.1	44.2	47.0	56.1	65.2	74.3	64.1	59.1
WILLOW CREEK MURRER RANCH	MAXIMUM	96	99	86	76	66	47	50	60	69	76	82	95	104	92	89
	MINIMUM	36	34	26	18	10	-6	-20	0	12	12	12	24	34	32	20
	AVG MAX	87.7	90.2	79.1	64.8	52.2	35.9	38.4	48.0	54.4	58.4	69.9	79.4	90.1	77.7	76.9
	AVG MIN	44.5	46.7	40.7	28.5	25.8	19.0	10.6	24.1	24.2	23.7	31.1	37.6	46.4	42.3	34.9
	AVERAGE	66.1	68.5	59.9	46.7	39.0	27.5	24.5	36.1	39.3	41.0	50.5	58.5	68.2	60.0	55.9
HERLONG G6																
DOYLE	MAXIMUM	104	102	95	78	70	50	50	66	76	84	94	100	99	92	92
	MINIMUM	44	46	33	22	13	5	8	12	17	18	24	38	40	32	22
	AVG MAX	97.1	97.3	84.5	68.9	56.2	38.5	41.8	53.3	59.3	63.9	76.0	88.1	92.1	80.7	78.6
	AVG MIN	53.0	54.7	48.6	34.6	30.1	17.0	19.9	30.7	29.1	29.6	37.8	48.0	52.4	47.5	41.9
	AVERAGE	75.1	76.0	66.6	51.8	43.2	27.8	30.8	42.0	44.2	46.8	56.9	68.0	72.2	64.1	60.2
HERLONG S O D	MAXIMUM	--	100	--	88	72	--	54	66	72	80	86	98	98	90	90
	MINIMUM	--	48	--	24	18	--	9	16	17	22	25	41	40	36	38
	AVG MAX	--	94.4	--	72.3	59.4	--	44.1	53.8	58.6	63.0	71.3	82.6	91.6	79.5	82.8
	AVG MIN	--	58.1	--	36.0	31.7	--	20.9	30.1	30.0	33.9	38.6	51.4	57.7	50.0	46.0
	AVERAGE	--	76.3	--	54.2	45.6	--	32.5	42.0	44.3	48.5	55.0	67.0	74.6	64.8	64.4
LONG VALLEY INSP STATION	MAXIMUM	97	96	86	78	68	54	52	63	70	76	86	96	99	--	--
	MINIMUM	36	37	31	23	12	0	5	4	16	9	20	30	38	--	--
	AVG MAX	89.9	90.0	78.8	66.8	55.0	37.8	41.2	50.3	55.8	60.3	72.2	81.6	90.2	RE	RE
	AVG MIN	45.8	48.4	43.8	31.4	26.8	13.3	18.7	28.6	24.9	24.8	33.1	42.6	50.1	--	--
	AVERAGE	67.9	69.2	61.3	49.1	40.9	25.6	30.0	39.4	40.4	42.6	52.6	62.1	70.2	--	--
TRUCKEE RIVER G7																
D. L. BLISS STATE PARK	MAXIMUM	88	89	80	69	63	51	49	55	61	67	78	88	88	90	83
	MINIMUM	45	41	38	26	10	1	10	13	15	16	18	30	35	31	26
	AVG MAX	80.9	82.5	71.1	62.0	51.7	34.0	38.2	42.8	45.4	51.7	60.6	73.2	81.6	71.5	70.9
	AVG MIN	50.0	51.1	45.5	34.7	30.4	16.3	19.2	25.4	24.6	27.8	33.6	41.5	46.7	43.0	40.6
	AVERAGE	65.5	66.8	58.3	48.3	41.0	25.1	28.7	34.1	35.0	39.8	47.1	57.4	64.1	57.3	55.8



TABLE A-4 (Cont.)  
TEMPERATURE DATA

Temperature in Degrees Fahrenheit

Station Name		1967						1968								
		July	Aug	Sept	Oct	Nov	Dec.	Jan	Feb	Mar.	Apr	May	June	July	Aug	Sept
NORTH LAHONTAN AREA																
TRUCKEE RIVER G7																
MEYERS RANGER STATION	MAXIMUM	90	--	--	75	70	56	56	58	67	70	78	90	90	88	85
	MINIMUM	30	28	25	17	10	-9	-7	-5	1	11	14	27	33	26	15
	AVG MAX	83.1	--	--	67.8	57.2	40.0	45.2	49.4	51.9	54.6	64.5	76.9	84.2	75.5	76.0
	AVG MIN	40.1	40.4	37.9	27.7	24.5	7.1	10.0	20.4	18.0	23.5	28.8	37.1	43.4	38.8	31.6
	AVERAGE	61.6	--	--	47.8	40.8	23.6	27.6	34.9	34.9	39.0	46.7	57.0	63.8	57.2	53.8
CARSON RIVER G8																
GROVER HOT SPRINGS	MAXIMUM	94	94	86	77	69	55	57	58	70	74	82	95	93	93	90
	MINIMUM	37	38	28	21	14	-4	0	2	9	15	21	28	38	29	20
	AVG MAX	86.7	85.4	75.5	68.3	56.0	38.3	42.5	48.5	52.1	58.0	66.0	79.0	87.7	77.8	77.2
	AVG MIN	45.6	45.4	41.0	29.6	26.7	11.3	14.8	24.9	23.3	25.2	32.4	40.5	49.1	43.6	35.8
	AVERAGE	66.2	65.4	58.2	49.0	41.3	24.8	28.6	36.7	37.7	41.6	49.2	59.7	68.4	60.7	56.5
WALKER RIVER G9																
TOPAZ LAKE	MAXIMUM	95	94	89	82	75	55	58	67	76	76	86	95	96	94	92
	MINIMUM	52	51	40	30	23	4	13	13	24	24	32	38	52	37	28
	AVG MAX	89.1	88.1	78.4	71.6	59.2	41.8	47.3	53.9	58.2	61.3	70.4	82.7	90.8	81.9	79.4
	AVG MIN	57.9	58.3	51.2	40.0	33.6	20.6	23.3	31.5	32.2	34.4	42.1	52.8	59.4	52.7	45.5
	AVERAGE	73.5	73.2	64.8	55.8	46.4	31.2	35.3	42.7	45.2	47.8	56.2	67.8	75.1	67.3	62.5
SOUTH LAHONTAN AREA																
MONO LAKE V0																
CONWAY SUMMIT	MAXIMUM	86	82	74	70	60	52	54	50	62	66	74	86	86	80	80
	MINIMUM	42	44	36	20	.6	-10	2	15	10	10	14	28	46	28	22
	AVG MAX	78.3	76.6	64.7	60.3	48.5	36.1	40.6	40.7	46.1	50.4	58.5	72.3	77.0	69.3	69.1
	AVG MIN	51.7	51.2	43.6	36.4	28.5	14.1	19.4	23.5	23.7	25.4	34.0	44.0	52.0	44.9	41.5
	AVERAGE	65.0	63.9	54.1	48.3	38.5	25.1	30.0	32.1	34.9	37.9	46.3	58.1	64.5	57.1	55.3

TABLE A-5  
EVAPORATION DATA

The definition of terms and the abbreviations used in connection with Table A-5 are as follows:

EVAP	The total amount of water evaporated from the pan in inches for the month.
.WIND	The amount of movement of air over the pan in miles for the month.
AVG MAX	The arithmetic average of daily maximum water temperatures in degrees Fahrenheit for the month.
AVG MIN	The arithmetic average of daily minimum water temperatures in degrees Fahrenheit for the month.
-	Record incomplete.
RB	Record began.
RE	Record ended.



TABLE A-5 (Cont.)  
EVAPORATION DATA

Evaporation in Inches  
Wind in Total Miles  
Water Temperature in Degrees Fahrenheit

Station Name		Total July 1 to June 30	1967						1968						Total Oct to Sept			
			July	Aug.	Sept	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Moy	June		July	Aug.	Sept.
SACRAMENTO RIVER BASIN																		
SACRAMENTO VALLEY FLOOR A0																		
AEROJET	EVAP	86.76	13.24	13.84	8.83	6.18	3.50	2.52	1.45	2.08	4.83	7.93	10.57	11.79	13.20	12.04	8.75	84.
CHICO EXPERIMENT STATION	EVAP	66.09	10.09	9.47	7.29	4.09	2.05	1.21	1.75	1.62	3.63	6.55	7.71	10.63	11.12	8.16	7.12	65.
	WIND	12621	1154	954	1001	846	738	1222	1317	1033	1236	984	1061	1075	1276	1430	952	131
COON CREEK EXP. PLOT	EVAP	61.77	10.86	9.69	7.00	5.40	1.79	0.79	0.88	1.43	3.03	5.21	6.85	8.94	13.93	9.02	7.17	64.
DAVIS 2 WSW	EVAP	90.81	13.72	12.77	9.65	7.18	2.85	2.78	1.40	1.81	4.46	10.08	10.34	13.77	13.70	11.17	10.78	90.
	WIND	32473	2409	1929	2332	2343	1624	4275	2968	2003	2118	4003	3161	3308	2877	3219	3135	350
	AVG MAX	-	92.8	91.7	86.5	75.5	64.7	51.6	50.1	63.8	-	-	-	-	92.7	86.6	85.7	-
	AVG MIN	-	60.5	60.4	58.2	50.8	47.2	36.9	36.6	47.2	-	-	-	-	59.0	57.9	56.6	-
LAKE SOLANO	EVAP	89.85	13.19	11.96	9.26	6.73	2.98	3.03	1.75	2.10	5.09	9.80	9.98	13.98	13.00	10.69	10.11	89.
	WIND	24585	1489	1396	1771	2142	1526	2660	1984	1406	2134	2786	2709	2582	1766	2263	2198	261
RED BLUFF 5 E	EVAP	66.23	9.70	9.22	7.02	4.58	1.98	2.84	1.82	1.40	3.46	6.91	7.45	9.85	9.42	7.43	7.36	64.
	WIND	-	571	719	952	1183	1187	2599	1809	1099	1622	1487	814	-	715	1087	1311	-
THERMALITO AFTERBAY	EVAP **	-	10.50	-	-	6.26	2.78	2.20	1.39	1.47	3.23	7.14	8.52	11.91	13.73	11.19	9.98	79.
WILLOWS USBR	EVAP	83.28	12.12	11.13	9.03	6.04	3.09	3.46	2.59	1.79	4.29	8.49	9.32	11.93	11.89	8.65	9.14	80.
	WIND	20777	1299	1214	1409	1557	1423	2989	1991	1399	1716	2323	1746	1711	1428	1604	1875	217
	AVG MAX	-	-	95.8	-	76.1	-	-	54.2	64.9	-	81.0	86.0	-	94.8	90.9	-	-
	AVG MIN	-	-	67.1	-	52.5	-	-	38.6	48.5	-	50.4	55.9	-	64.9	61.9	-	-
SHASTA LAKE A2																		
LAKESHORE	EVAP	-	9.87	9.81	7.29	3.81	1.76	-	-	-	3.28	5.80	6.42	8.60	10.30	7.12	6.88	-
	WIND	10220	946	967	872	913	723	937	745	608	901	999	807	802	915	818	703	98
SHASTA DAM	EVAP	67.92	9.77	10.42	8.50	5.14	2.65	2.34	1.98	2.12	3.00	6.05	6.71	9.24	10.16	7.15	7.40	63.
	WIND	21059	1712	1886	1742	1850	1645	2225	1660	1484	1645	1867	1640	1703	1740	1721	1608	207
TURNTABLE CREEK	EVAP	68.40	9.29	10.17	8.15	5.19	3.08	2.62	2.57	2.06	3.53	6.85	6.27	8.62	10.08	7.76	8.40	67.
	WIND	14297	1117	1182	991	1297	1276	1728	1191	891	1021	1558	1019	1026	823	1008	1273	141
SACRAMENTO VALLEY WEST SIDE A3																		
BLACK BUTTE DAM	EVAP	86.74	13.33	13.10	9.84	6.52	3.67	3.00	1.91	1.94	3.99	8.38	8.64	12.42	12.75	9.91	9.47	82.
	WIND	20645	1286	1532	1465	1651	1749	2653	2026	1546	1727	2099	1392	1519	1255	1566	1468	206
	AVG MAX	75.7	96.4	95.4	87.9	76.4	63.5	51.5	50.7	62.0	69.6	77.8	84.8	92.2	95.5	88.4	87.2	75
	AVG MIN	52.2	67.4	67.4	61.8	52.2	47.7	38.1	36.9	47.4	45.2	46.8	54.1	61.3	65.6	61.4	60.0	51
EAST PARK RESERVOIR	EVAP	89.64	14.40	14.21	10.73	6.29	2.89	2.42	2.30	1.84	4.36	8.16	9.45	12.59	13.31	10.59	9.52	83.
NEWVILLE 1 E	EVAP	89.02	13.50	13.04	10.36	7.02	3.54	3.31	2.31	1.59	3.82	8.37	8.93	13.23	14.63	10.66	11.10	88.
	WIND	14229	538	958	929	1011	1006	2009	1132	778	1282	1846	1200	1540	1199	1490	1668	161
STONY GORGE	EVAP	72.46	12.20	10.25	8.66	4.77	2.11	1.70	1.30	1.39	3.42	7.13	7.99	11.54	12.59	9.61	8.67	72.
WHISKEYTOWN RESERVOIR	EVAP	-	11.00	11.25	8.03	3.27	1.75	1.96	-	1.29	3.09	6.17	6.93	9.33	11.54	7.95	7.46	-
	WIND	9725	781	927	903	629	586	880	760	784	974	999	811	691	741	792	828	94
FEATHER RIVER A5																		
BOULDER CREEK GUARD STN	EVAP	-	8.19	8.04	4.95	-	-	-	-	-	-	-	-	7.43	8.94	5.92	5.96	-
ENTERPRISE OWID	EVAP **	60.30	9.96	10.56	8.08	4.15	1.87	1.19	0.73	1.04	2.61	5.33	6.28	8.50	10.37	8.22	7.18	57.
FOREMAN CREEK	EVAP *	-	-	-	-	-	-	-	-	-	-	RB	6.24	10.51	12.45	9.48	9.44	-
	EVAP **	49.71	6.19	8.03	6.54	3.98	2.05	1.62	1.13	1.05	2.45	3.88	4.41	8.38	10.93	8.89	8.31	57.
	AVG MAX	-	-	-	-	-	-	-	-	-	-	RB	88.5	90.9	85.5	83.7	-	
	AVG MIN	-	-	-	-	-	-	-	-	-	-	RB	59.4	59.8	59.8	52.5	-	
OROVILLE DAM	EVAP *	76.54	12.49	12.34	8.71	5.22	2.81	1.93	1.18	1.73	3.80	7.56	8.01	10.76	12.83	9.14	7.97	72.
	EVAP **	68.24	11.01	11.20	8.50	5.34	2.70	1.88	1.10	1.29	3.00	5.63	7.00	9.59	11.20	8.95	8.02	65.
	WIND	11917	784	893	873	1040	810	1361	1303	1132	1348	875	756	742	849	960	691	118
	AVG MAX	76.6	95.7	95.7	88.7	76.5	63.2	53.3	52.4	62.9	69.5	80.1	85.7	95.6	95.1	88.1	87.4	75
	AVG MIN	53.3	69.1	69.9	61.6	53.4	50.0	38.9	37.6	46.7	46.1	49.3	55.8	61.2	64.1	63.5	63.3	52
PARISH CAMP	EVAP **	71.90	10.88	11.67	8.16	5.92	2.90	2.30	1.89	1.01	2.67	6.36	7.12	11.02	12.27	9.25	9.15	71.
VINTON	EVAP	-	8.41	6.95	5.22	3.87	-	-	-	-	-	-	8.87	11.38	13.73	9.58	8.79	-
	WIND	-	873	896	982	1298	-	-	-	-	-	-	3001	2615	2617	2551	2234	-
YUBA-BEAR RIVERS A6																		
LAKE SPAULDING DAM	EVAP	-	13.39	13.45	9.67	6.37	-	-	-	-	-	-	-	9.97	12.67	9.29	8.70	-
AMERICAN RIVER A7																		
BLODGETT EXP. FOREST	EVAP	-	6.96	6.21	4.55	1.74	0.76	-	-	-	-	-	4.34	6.37	7.29	5.00	4.76	-
	WIND	-	150	126	170	120	-	-	-	-	-	-	304	215	194	231	230	-
FOLSOM DAM	EVAP	69.62	11.90	10.95	7.85	5.23	2.11	0.94	1.10	1.37	3.42	6.42	7.84	10.49	11.62	9.03	8.03	67.
	WIND	6388	198	95	192	475	820	1314	823	631	578	652	366	244	209	273	280	66
PLACERVILLE I F G	EVAP	-	8.72	9.04	6.48	3.74	1.88	-	1.42	-	3.10	5.38	5.54	8.21	9.42	7.06	6.88	-
	WIND	-	489	681	519	838	627	1664	801	-	1139	1239	784	878	702	830	938	-

\* Class A Pan.  
\*\*Young Pan (buried).



TABLE A-5 (Cont.)  
EVAPORATION DATA

Station Name  
Elevation in Feet  
Total Miles  
Temperature in Degrees Fahrenheit

Station Name		Total July 1 to June 30	1967						1968									Total Oct 1 to Sept 30
			July	Aug	Sept	Oct	Nov	Dec	Jan.	Feb.	Mar	Apr	May	June	July	Aug	Sept.	
ACCRETO RIVER BASIN																		
CREEK A8																		
KEY 1 SSE	EVAP	53.71	9.10	8.03	5.93	3.24	1.67	1.18	0.92	1.55	3.06	5.22	5.90	7.91	8.86	5.76	5.41	50.68
	WIND	6404	385	347	438	334	384	849	638	532	838	747	455	457	371	409	391	6405
	AVG MAX	72.3	94.9	92.6	85.4	72.5	61.1	48.1	47.9	58.3	64.3	73.2	79.7	89.3	92.7	86.7	83.9	71.5
	AVG MIN	46.2	59.5	58.8	54.6	46.5	41.7	32.7	33.3	41.3	40.0	43.7	48.2	54.2	58.2	56.4	52.9	45.8
PORT																		
	EVAP	47.96	8.68	8.42	6.04	2.09	0.71	1.06	0.24	0.68	2.27	4.67	5.53	7.57	8.79	5.19	5.95	44.75
	WIND	2494	156	194	178	113	118	213	174	243	287	290	259	269	200	195	163	2524
CREEK A9																		
YESSA LAKE																		
	EVAP	83.24	13.35	12.78	9.13	6.11	2.89	2.98	1.76	1.50	3.90	7.43	9.00	12.41	13.71	10.31	9.44	81.44
	WIND	20753	1790	1682	1780	1525	1369	3006	1726	979	1571	1534	1808	1983	1999	2199	2081	21780
	AVG MAX	76.1	95.7	93.8	86.9	75.5	65.0	54.1	52.7	62.3	70.0	80.9	84.4	91.4	93.7	87.1	86.0	75.3
	AVG MIN	51.3	62.2	62.7	58.9	50.6	47.0	38.8	38.3	47.9	46.0	49.7	53.4	59.9	61.7	59.3	57.7	50.9
NICELLO DAM																		
	EVAP	-	10.80	10.34	7.84	4.90	2.24	-	1.08	1.44	3.35	6.28	7.26	10.30	11.75	9.03	8.07	-
	WIND	-	566	-	-	448	527	847	460	456	642	716	714	399	430	498	-	-
	AVG MAX	77.7	99.0	98.1	89.5	78.2	65.5	54.5	53.6	63.5	70.5	79.7	85.3	95.0	95.9	90.0	88.9	76.7
	AVG MIN	51.3	64.2	64.5	61.0	52.5	48.0	36.1	35.1	47.8	45.1	48.3	52.9	60.2	60.8	60.2	58.0	50.4
JOAQUIN RIVER BASIN																		
JOAQUIN VALLEY FLOOR B0																		
LANCHE DAM																		
	EVAP	-	10.85	10.39	7.00	4.44	1.69	1.45	RE									
LANCHE NORTH STATION																		
	EVAP	73.91	11.24	10.45	7.39	5.17	2.07	1.95	1.93	1.31	3.34	8.13	8.97	11.96	12.86	10.22	9.24	77.15
LANCHE SOUTH STATION																		
	EVAP	71.75	10.99	10.42	7.22	4.97	2.03	1.74	1.69	1.25	3.22	7.07	8.95	12.20	13.33	10.63	9.23	76.31
LUT																		
	EVAP	72.68	11.85	10.65	7.59	5.01	1.60	1.49	1.04	1.66	4.21	7.57	8.91	11.10	11.14	8.55	7.74	70.02
	WIND	18184	1486	1383	1326	1114	961	1667	1353	1085	1625	2013	2093	2078	1616	1698	1663	18966
	AVG MAX	73.6	92.1	91.4	86.2	75.9	63.1	49.2	49.4	63.3	69.3	74.7	81.3	87.7	90.8	86.0	82.6	72.8
	AVG MIN	50.6	61.9	61.9	59.8	51.9	47.5	36.3	37.3	48.6	46.2	46.8	51.9	57.4	59.9	57.7	55.7	48.9
MANTON 3 SSE																		
	EVAP	57.02	9.27	7.98	5.76	3.89	1.38	0.79	0.90	2.21	3.04	4.92	7.50	9.38	10.75	7.01	6.90	58.67
MOKUMNE-CALAVERAS RIVERS B2																		
OP PARDEE																		
	EVAP	62.12	11.35	10.47	6.64	3.82	1.56	0.68	0.77	1.11	2.68	5.26	7.36	10.42	11.04	8.09	6.31	59.10
	WIND	6579	600	587	533	431	367	662	495	404	599	551	660	690	621	614	515	6609
WAN DAM																		
	EVAP	82.15	13.56	12.88	9.03	6.20	2.54	1.74	1.56	1.92	4.33	7.28	8.98	12.13	13.74	10.48	9.23	80.13
	WIND	18471	1522	1398	1301	1703	1366	1832	1734	1331	1805	1555	1454	1470	1543	1570	1512	18875
	AVG MAX	74.8	94.0	93.1	86.8	76.4	65.4	50.7	51.7	62.9	68.7	76.8	81.3	89.5	92.0	86.6	84.9	73.9
	AVG MIN	51.5	63.3	64.2	60.7	52.0	48.7	37.4	38.2	46.9	45.9	48.1	52.5	59.7	61.9	59.4	56.3	50.6
KSON 1 NW																		
	EVAP	69.58	12.62	11.88	7.92	5.06	2.07	1.05	1.06	1.54	3.34	5.69	7.45	9.90	11.88	9.10	7.77	65.91
	WIND	8513	833	765	715	635	497	830	638	624	904	712	642	718	685	709	683	8277
	AVG MAX	70.4	88.3	87.5	81.2	71.4	58.9	49.3	47.5	59.6	64.3	72.6	78.2	85.4	87.8	82.1	79.1	69.7
	AVG MIN	48.4	61.4	62.8	57.9	49.1	44.6	35.2	34.6	43.2	41.7	44.2	49.4	56.7	59.9	56.8	53.6	47.4
T SPRINGS POWERHOUSE																		
	EVAP	-	9.09	10.75	6.90	5.22	2.65	-	2.19	2.16	3.66	6.54	7.09	8.83	10.62	8.09	8.98	-
JOAQUIN VALLEY WEST SIDE B8																		
IOCH PUMPING PLANT 3																		
	EVAP	74.23	11.19	10.13	7.91	5.11	1.96	1.87	1.01	1.59	4.08	7.91	9.16	12.31	11.50	9.08	8.26	73.84
ACRETO-SAN JOAQUIN DELTA B9																		
ANNAN ISLAND																		
	EVAP	82.25	9.05	11.45	10.21	6.74	2.92	1.75	0.99	1.53	4.11	8.15	11.10	14.25	14.05	10.39	9.56	85.54
	WIND	35335	4975	5205	4468	2370	1257	1923	432	689	1220	2792	4551	5453	4996	4070	3480	33233
RKSBURG																		
	EVAP	-	9.70	8.04	6.23	4.66	1.99	1.74	1.33	2.00	4.25	7.90	RE					
CY PUMPING PLANT																		
	EVAP	105.74	18.23	16.06	11.59	6.88	2.87	2.08	1.34	1.87	5.22	9.92	12.61	17.07	16.96	13.02	10.97	100.81
	WIND	43836	5266	4183	4385	2611	1792	1881	1914	1864	3047	4230	6184	6479	6177	5559	4954	46692
LAHONTAN AREA																		
ISE VALLEY G1																		
ARVILLE 12 SE																		
	EVAP	-	13.64	14.06	9.45	-	-	-	-	-	-	-	-	11.34	15.26	7.64	8.86	-
	WIND	-	1745	1740	1645	2074	1493	2036	2089	1543	-	2128	1970	1782	1772	1895	1709	-
RIVER G4																		
MING FISH & GAME																		
	EVAP	-	8.83	9.17	6.40	3.56	-	-	-	-	-	6.05	7.57	8.55	10.23	7.27	6.82	-
	WIND	-	459	680	750	500	-	-	-	-	-	1686	1399	899	858	771	681	-
SEE RIVER G7																		
A																		
	EVAP	-	9.72	8.92	6.13	-	-	-	-	-	-	-	7.64	8.85	10.46	8.25	7.26	-
	WIND	-	678	665	869	1061	-	-	-	-	-	-	1586	921	983	1202	903	-
OE CITY																		
	EVAP	-	6.96	5.96	3.39	2.27	-	-	-	-	-	-	-	5.87	7.38	4.78	3.56	-
	WIND	-	840	646	853	757	-	-	-	-	-	-	-	772	388	-	-	-
R RIVER G9																		
PAZ LAKE, NEVADA																		
	EVAP	-	11.99	9.85	7.33	6.59	-	-	-	-	-	7.26	9.97	12.17	12.96	10.92	9.23	-
	WIND	-	355	272	482	1211	-	-	-	-	-	1565	1969	1542	1481	1915	1586	-
	AVG MAX	-	87.5	87.1	79.1	68.4	-	-	-	-	-	67.4	-	83.5	86.6	81.1	76.1	-
	AVG MIN	-	57.7	58.1	52.5	40.9	-	-	-	-	-	39.4	44.5	52.2	57.9	52.8	46.6	-





Appendix B

SURFACE WATER MEASUREMENT





## INTRODUCTION

This appendix presents surface water data for the 1968 water year, which is from October 1, 1967, through September 30, 1968. The data presented consist of daily mean discharges; daily mean gage heights; daily maximum and minimum tides; gaging station locations; diversion quantities; imported water to the report area; exported water from the report area; summary tables of monthly and annual unimpaired runoff from major streams; summary of water supply and utilization for the Sacramento-San Joaquin Delta; stream-flow measurements at miscellaneous locations; corrections and revisions to previously published reports; and contents and inflow for major reservoirs.

Each station in this appendix has been assigned an identification number. The first two digits denote the drainage basin as shown below. The remaining digits further identify the station.

A comprehensive alphabetical list of historical, as well as present streamflow gaging stations, is published in the Department of Water Resources pentannual report, INDEX OF STREAM GAGING STATIONS IN AN ADJACENT TO CALIFORNIA, last published in 1966.

The period of record - with number of years missing - and more information for some 850 stations in the northeastern California area is contained in the index in addition to identifying where or from which agency a desired record may be obtained.

### Sacramento River Basin

A0 Sacramento Valley Floor  
A1 Pit River  
A2 Shasta Lake  
A3 Sacramento Valley West Side  
A4 Sacramento Valley Northeast  
A6 Yuba-Bear Rivers  
A7 American River  
A8 Cache Creek  
A9 Putah Creek

### North Lahontan Area

G1 Surprise Valley  
G2 Madeline Plains  
G3 Eagle Lake  
G4 Susan River  
G5 Smoke River  
G6 Herlong  
G7 Truckee River  
G8 Carson River  
G9 Walker River

### San Joaquin River Basin

B0 San Joaquin Valley Floor  
B1 Cosumnes River  
B2 Mokelumne-Calaveras Rivers  
B8 San Joaquin Valley West Side  
B9 Sacramento-San Joaquin Delta



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American River at Sacramento . . . . .	-	258	A07140
Ash Creek at Adin . . . . .	83	-	A18350
Bear Creek near Lodi . . . . .	161	-	B02010
Bear Creek near Rumsey . . . . .	141	-	A81250
Bear River near Wheatland . . . . .	-	252	A06550
Bidwell Creek near Fort Bidwell . . . . .	173	-	G12200
Big Chico Creek at Chico . . . . .	92	-	A04250
Big Grizzly Creek near Portola . . . . .	122	-	A55380
Burney Creek near Burney . . . . .	84	-	A15150
Butte Creek near Durham . . . . .	100	-	A04265
Butte Slough near Meridian . . . . .	114	238	A02972
Butte Slough at Outfall Gates . . . . .	103	228	A02967
Cache Creek above Rumsey . . . . .	142	-	A81200
Cache Creek at Yolo . . . . .	-	261	A08125
Calaveras River near Stockton . . . . .	157	-	B02520
Cedar Creek at Cedarville . . . . .	174	-	G15150
Cherokee Canal near Richvale . . . . .	102	227	A02984
Clover Creek Bypass near Upper Lake . . . . .	-	260	A89140
Colusa Basin Drain near College City . . . . .	-	235	A00180
Colusa Basin Drain at Highway 20 . . . . .	110	234	A02976
Colusa Basin Drain at Knights Landing . . . . .	111	236	A02945
Colusa Weir Spill to Butte Basin . . . . .	98	-	A02981
Contra Costa Canal near Oakley . . . . .	171	-	B95910
Copsey Creek near Lower Lake . . . . .	140	-	A81360
Cosumnes River at McConnell . . . . .	167	267	B01125
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Deer Creek near Sloughhouse . . . . .	166	-	B01580
Delta-Mendota Canal near Tracy . . . . .	170	-	B95925
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Duck Creek near Stockton . . . . .	155, 156	-	B02835
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Eagle Creek at Eagleville . . . . .	175	-	G17150
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French Camp Slough near French Camp . . . . .	153	-	B02805
Grantline Canal at Tracy Road Bridge . . . . .	-	291	B95300
Grindstone Creek near Elk Creek . . . . .	94	-	A31300
Indian Creek near Boulder Creek Guard			
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Kellogg Creek near Byron . . . . .	169	-	B95295
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near Oroville Dam . . . . .	129	-	A56913
Lassen Creek near Willow Ranch . . . . .	81	-	A13060
Last Chance Creek at Dixie Refuge Damsite . . . . .	126	-	A54750
Lindo Channel near Chico . . . . .	93	-	A00600
Little Chico Creek near Chico . . . . .	101	-	A04280
Little Chico Creek Diversion near Chico . . . . .	99	-	A04910
Little Last Chance Creek below Frenchman			
Dam . . . . .	121	-	A55525
Littlejohn Creek at Farmington . . . . .	152	-	B02870
Little Potato Slough at Terminous . . . . .	-	300	B94120
Long Valley Creek near Doyle . . . . .	177	-	G61200
Marsh Creek near Byron . . . . .	172	-	B89100
Middle Creek near Upper Lake . . . . .	138	-	A81810
Middle Fork Feather River near Portola . . . . .	123	-	A55420
Middle River at Bacon Island . . . . .	-	287	B95460
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Pleasants Creek near Winters . . . . .	144		-		A91160
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Putah Creek above Davis . . . . .	146		-		A09145
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Red Clover Creek above Abbey Bridge Damsite . . . . .	125		-		A54455
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Sacramento River at Butte City . . . . .	-		222		A02500
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Sacramento River at Elkhorn Ferry . . . . .	-		255		A02112
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Sacramento River at Ord Ferry . . . . .		95		221	A02570
Sacramento River at Reclamation District 70 Pumping Plant . . . . .		-		230	A02320
Sacramento River above Reclamation					
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Sacramento River near Red Bluff . . . . .		-		218	A02780
Sacramento River at Rio Vista . . . . .		-		277	B91210
Sacramento River near Rough and Ready Bend . . . . .		-		233	A02240
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Sacramento River at Snodgrass Slough . . . . .		-		273	B91750
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Sacramento River at Vina Bridge . . . . .		88		219	A02700
Sacramento River at Walnut Grove . . . . .		-		274	B91650
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Sacramento Slough at Sacramento River . . . . .		120		-	A02925
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Stockton Diverting Canal at Stockton . . .		159	-		B02580
Stockton Ship Channel at Burns Cutoff . . .		-	282		B95660
Suisun Bay at Benicia Arsenal . . . . .		-	305		E03300
Sutter Bypass at Long Bridge . . . . .		-	239		A05935
Sutter Bypass at Reclamation District 1500 Pumping Plant . . . . .		-	243		A02927
Sutter Bypass at State Pumping Plant #2 . .		-	242		A05920
Sutter Creek near Sutter Creek . . . . .		163	-		B21160
Thermalito Afterbay Release to Feather River near Oroville . . . . .		131	-		A05975
Three Mile Slough at Sacramento River . . .		-	278		B91160
Three Mile Slough at San Joaquin River . .		-	303		B95060
Tisdale Bypass at Reclamation District 1660 Pumping Plant . . . . .		-	241		A02308
Tisdale Weir Spill to Sutter Bypass . . . .		106	-		A02960
Tom Paine Slough above Mouth . . . . .		-	288		B95420
Wadsworth Canal near Sutter . . . . .		115	240		A05929
Yolo Bypass at Liberty Island . . . . .		-	276		B91500
Yolo Bypass near Lisbon . . . . .		-	275		B91560
Yolo Bypass near Woodland . . . . .		148	262		A02935
Yuba River at Englebright Dam . . . . .		-	249		A61430
Yuba River near Marysville . . . . .		-	250		A06150

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<u>Sacramento Valley Floor</u>				
A00020	Morrison Creek near Sacramento . . . . .	168	.	-
0047	Dry Creek at Roseville . . . . .	136	.	-
0180	Colusa Basin Drain near College City . . . . .	-	.	235
0600	Lindo Channel near Chico . . . . .	93	.	-
0928	Mud Creek Diversion at Chico . . . . .	91	.	-
2100	Sacramento River at Sacramento . . . . .	137	.	256, 271
2105	Sacramento River at Sacramento Weir . . . . .	-	.	270
2112	Sacramento River at Elkhorn Ferry . . . . .	-	.	255
2150	Sacramento River at Verona . . . . .	-	.	254
2160	Sacramento River at Fremont Weir, East End . . . . .	-	.	245
2170	Sacramento River at Fremont Weir, West End . . . . .	-	.	244
2200	Sacramento River at Knights Landing . . . . .	-	.	237
2240	Sacramento River near Rough and Ready Bend . . . . .	-	.	233
2250	Sacramento River above Reclamation District 108 Pumping Plant . . . . .	107	.	-
2280	Sacramento River below Wilkins Slough . . . . .	-	.	232
2301	Sacramento River at Tisdale Weir . . . . .	-	.	231
2308	Tisdale Bypass at Reclamation District 1660 Pumping Plant . . . . .	-	.	241
2320	Sacramento River at Reclamation District 70 Pumping Plant . . . . .	-	.	230
2380	Sacramento River at Meridian . . . . .	104	.	229
2420	Sacramento River at Colusa . . . . .	-	.	226
2430	Sacramento River at Colusa Weir . . . . .	-	.	225
2445	Sacramento River at Moulton Weir . . . . .	-	.	223
2450	Sacramento River opposite Moulton Weir . . . . .	97	.	224
2500	Sacramento River at Butte City . . . . .	-	.	222
2570	Sacramento River at Ord Ferry . . . . .	95	.	221
2630	Sacramento River at Hamilton City . . . . .	89	.	220
2700	Sacramento River at Vina Bridge . . . . .	88	.	219
2780	Sacramento River near Red Bluff . . . . .	-	.	218
2903	Sacramento Weir Spill to Yolo Bypass . . . . .	135	.	-
2925	Sacramento Slough at Sacramento River . . . . .	120	.	-
2926	Reclamation District 1500 Drainage to Sacramento Slough . . . . .	119	.	-
2927	Sutter Bypass at Reclamation District 1500 Pumping Plant . . . . .	-	.	243
2930	Fremont Weir Spill to Yolo Bypass . . . . .	113	.	-
2933	Reclamation District 108 Drainage to Sacramento River . . . . .	108	.	-



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<u>Sacramento Valley Floor (Continued)</u>				
A02935	Yolo Bypass near Woodland . . . . .	148	. . .	262
2945	Colusa Basin Drain at Knights Landing	111	. . .	236
2950	Reclamation District 787 Drainage to Colusa Basin Drain . . . . .	112	. . .	-
2955	Reclamation District 787 Drainage to Sacramento River . . . . .	109	. . .	-
2960	Tisdale Weir Spill to Sutter Bypass .	106	. . .	-
2963	Reclamation District 1660 Drainage to Tisdale Bypass . . . . .	118	. . .	-
2965	Reclamation District 70 Drainage to Sacramento River . . . . .	105	. . .	-
2967	Butte Slough at Outfall Gates . . . . .	103	. . .	228
2972	Butte Slough near Meridian . . . . .	114	. . .	238
2976	Colusa Basin Drain at Highway 20 . .	110	. . .	234
2981	Colusa Weir Spill to Butte Basin . .	98	. . .	-
2984	Cherokee Canal near Richvale . . . . .	102	. . .	227
2986	Moulton Weir Spill to Butte Basin . .	96	. . .	-
3460	Red Bank Creek near Red Bluff . . . . .	87	. . .	-
3545	North Fork Cottonwood Creek near Igo	85	. . .	-
3595	South Fork Cottonwood Creek near Cottonwood . . . . .	86	. . .	-
4242	Mud Creek near Chico . . . . .	90	. . .	-
4250	Big Chico Creek at Chico . . . . .	92	. . .	-
4265	Butte Creek near Durham . . . . .	100	. . .	-
4280	Little Chico Creek near Chico . . . . .	101	. . .	-
4910	Little Chico Creek Diversion near Chico . . . . .	99	. . .	-
5103	Feather River at Nicolaus . . . . .	-	. . .	253
5120	Feather River below Shanghai Bend . .	134	. . .	251
5135	Feather River at Yuba City . . . . .	-	. . .	248
5165	Feather River near Gridley . . . . .	132	. . .	247
5735	North Honcut Creek near Bangor . . . .	133	. . .	-
5791	Feather River at Oroville . . . . .	130	. . .	246
5920	Sutter Bypass at State Pumping Plant #2 . . . . .	-	. . .	242
5921	State Pumping Plant #2 to Sutter Bypass . . . . .	116	. . .	-
5922	Reclamation District 1660 Drainage to Sutter Bypass . . . . .	117	. . .	-
5929	Wadsworth Canal near Sutter . . . . .	115	. . .	240
5935	Sutter Bypass at Longbridge . . . . .	-	. . .	239
5975	Thermalito Afterbay Releases to Feather River near Oroville . . . . .	131	. . .	-
6150	Yuba River near Marysville . . . . .	-	. . .	250
6550	Bear River near Wheatland . . . . .	-	. . .	252

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<u>Sacramento Valley Floor (Continued)</u>					
A07140	American River at Sacramento . . . . .	- . . . .		258	
7175	American River at Fair Oaks . . . . .	- . . . .		257	
8125	Cache Creek at Yolo . . . . .	261 . . . .		-	
9115	South Fork Putah Creek near Davis . . . . .	147 . . . .		-	
9145	Putah Creek above Davis . . . . .	146 . . . .		-	
9160	Putah Creek below Winters . . . . .	145 . . . .		-	
<u>Pit River</u>					
A13060	Lassen Creek near Willow Ranch . . . . .	81 . . . .		-	
4100	Pine Creek near Alturas . . . . .	82 . . . .		-	
5150	Burney Creek near Burney . . . . .	84 . . . .		-	
8350	Ash Creek at Adin . . . . .	83 . . . .		-	
<u>Shasta Lake</u>					
A21010	Sacramento River at Keswick . . . . .	- . . . .		217	
1050	Shasta Lake near Redding . . . . .	- . . . .		307	
1051	Inflow to Shasta Lake . . . . .	- . . . .		319	
<u>Sacramento Valley West Side</u>					
A31300	Grindstone Creek near Elk Creek . . . . .	94 . . . .		-	
6170	Whiskeytown Lake near Whiskeytown . . . . .	- . . . .		308	
6171	Inflow to Whiskeytown Lake . . . . .	- . . . .		320	
<u>Feather River</u>					
A51141	Lake Oroville near Oroville . . . . .	- . . . .		312	
4370	Indian Creek near Taylorsville . . . . .	127 . . . .		-	
4455	Red Clover Creek above Abbey Bridge Damsite . . . . .	125 . . . .		-	
4470	Indian Creek near Boulder Creek Guard Station . . . . .	124 . . . .		-	
4473	Antelope Lake near Boulder Creek Guard Station . . . . .	- . . . .		311	
4750	Last Chance Creek at Dixie Refuge Damsite . . . . .	126 . . . .		-	
5380	Big Grizzly Creek near Portola . . . . .	122 . . . .		-	
5383	Lake Davis near Portola . . . . .	- . . . .		310	
5420	Middle Fork Feather River near Portola . . . . .	123 . . . .		-	
5525	Little Last Chance Creek below Frenchman Dam . . . . .	121 . . . .		-	
5527	Frenchman Lake near Chilcoot . . . . .	- . . . .		309	
6910	Palermo Canal at Oroville Dam . . . . .	128 . . . .		-	
6913	Kelly Ridge Turnout to Palermo Canal near Oroville Dam . . . . .	129 . . . .		-	



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Yuba-Bear Rivers

A61430	Yuba River at Englebright Dam . . . . .	-	. . . . .	249
5105	Camp Far West Reservoir near Sheridan	-	. . . . .	313,314,315

American River

A71120	Folsom Lake near Folsom . . . . .	-	. . . . .	316
1121	Inflow to Folsom Lake near Folsom . .	-	. . . . .	321

Cache Creek

A81200	Cache Creek above Rumsey . . . . .	142	. . . . .	-
1250	Bear Creek near Rumsey . . . . .	141	. . . . .	-
1360	Copsey Creek near Lower Lake . . . . .	140	. . . . .	-
1810	Middle Creek near Upper Lake . . . . .	138	. . . . .	-
1820	Scotts Creek at Upper Lake . . . . .	-	. . . . .	259
1850	Scotts Creek near Lakeport . . . . .	139	. . . . .	-
1940	Clover Creek Bypass near Upper Lake .	-	. . . . .	260

Putah Creek

A91160	Pleasants Creek near Winters . . . . .	144	. . . . .	-
1200	Lake Berryessa near Winters . . . . .	-	. . . . .	317
1250	Putah Creek near Winters . . . . .	-	. . . . .	263
5010	Pope Creek near Pope Valley . . . . .	143	. . . . .	-

HYDROGRAPHIC AREA B

San Joaquin Valley Floor

B00907	South San Joaquin Irrigation District Main Drain near Lathrop . . . . .	154	. . . . .	-
0915	South San Joaquin Irrigation District Drain 11 near Manteca . . . . .	150	. . . . .	-
1125	Cosumnes River at McConnell . . . . .	167	. . . . .	267
1520	Dry Creek near Galt . . . . .	165	. . . . .	-
1580	Deer Creek near Sloughhouse . . . . .	166	. . . . .	-
2005	Mosher Slough near Stockton . . . . .	160	. . . . .	-
2010	Bear Creek near Lodi . . . . .	161	. . . . .	-
2105	Mokelumne River at Woodbridge . . . . .	162	. . . . .	265
2520	Calaveras River near Stockton . . . . .	157	. . . . .	-
2560	Mormon Slough at Bellota . . . . .	158	. . . . .	-
2580	Stockton Diverting Canal at Stockton	159	. . . . .	-
2805	French Camp Slough near French Camp .	153	. . . . .	-
2835	Duck Creek near Stockton . . . . .	155,156	. . . . .	-
2870	Littlejohn Creek at Farmington . . . .	152	. . . . .	-
2920	Duck Creek Diversion near Farmington	151	. . . . .	-
7020	San Joaquin River near Vernalis . . . .	149	. . . . .	264

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<u>Cosumnes River</u>				
B11150	Cosumnes River at Michigan Bar . . . . .	-	. . . . .	266
<u>Mokelumne-Calaveras Rivers</u>				
B21150	Dry Creek near Ione . . . . .	164	. . . . .	-
1160	Sutter Creek near Sutter Creek . . . . .	163	. . . . .	-
<u>San Joaquin Valley Westside</u>				
B89100	Marsh Creek near Byron . . . . .	172	. . . . .	-
<u>Sacramento-San Joaquin Delta</u>				
B91110	Sacramento River at Collinsville . . . . .	-	. . . . .	279
1160	Three Mile Slough at Sacramento River . . . . .	-	. . . . .	278
1210	Sacramento River at Rio Vista . . . . .	-	. . . . .	277
1500	Yolo Bypass at Liberty Island . . . . .	-	. . . . .	276
1560	Yolo Bypass near Lisbon . . . . .	-	. . . . .	275
1650	Sacramento River at Walnut Grove . . . . .	-	. . . . .	274
1750	Sacramento River at Snodgrass Slough . . . . .	-	. . . . .	273
1850	Sacramento River near Freeport . . . . .	-	. . . . .	272
4115	North Fork Mokelumne River near Isleton . . . . .	-	. . . . .	299
4120	Little Potato Slough at Terminous . . . . .	-	. . . . .	300
4130	South Fork Mokelumne River at Hog Slough . . . . .	-	. . . . .	301
4150	South Fork Mokelumne River at New Hope Bridge . . . . .	-	. . . . .	298
4175	Mokelumne River near Thornton . . . . .	-	. . . . .	297
5020	San Joaquin River at Antioch . . . . .	-	. . . . .	304
5060	Three Mile Slough at San Joaquin River . . . . .	-	. . . . .	303
5100	San Joaquin River at San Andreas Landing . . . . .	-	. . . . .	302
5180	Old River near Rock Slough . . . . .	-	. . . . .	296
5220	Rock Slough at Contra Costa Canal Intake . . . . .	-	. . . . .	295
5270	Old River near Byron . . . . .	-	. . . . .	294
5278	Italian Slough near Mouth . . . . .	-	. . . . .	293
5280	Italian Slough near Byron . . . . .	-	. . . . .	292
5295	Kellogg Creek near Byron . . . . .	169	. . . . .	-
5300	Grantline Canal at Tracy Road Bridge . . . . .	-	. . . . .	291
5340	Old River at Clifton Court Ferry . . . . .	-	. . . . .	290
5380	Old River near Tracy Road Bridge . . . . .	-	. . . . .	289
5420	Tom Paine Slough above Mouth . . . . .	-	. . . . .	288
5460	Middle River at Bacon Island . . . . .	-	. . . . .	287
5500	Middle River at Borden Highway . . . . .	-	. . . . .	286
5540	Middle River at Mowry Bridge . . . . .	-	. . . . .	285
5580	San Joaquin River at Venice Island . . . . .	-	. . . . .	284
5620	San Joaquin River at Rindge Pump . . . . .	-	. . . . .	283
5660	Stockton Ship Channel at Burns Cutoff . . . . .	-	. . . . .	282



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B95740	San Joaquin River at Brandt Bridge . . .	-	. . . .	281
5820	San Joaquin River at Mossdale Bridge .	-	. . . .	280
5910	Contra Costa Canal near Oakley . . . .	171	. . . .	-
5925	Delta Mendota Canal near Tracy . . . .	170	. . . .	-

HYDROGRAPHIC AREA E

Napa-Solano

E03300	Suisun Bay at Benicia Arsenal . . . . .	-	. . . .	305
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HYDROGRAPHIC AREA G

Surprise Valley

G12200	Bidwell Creek near Fort Bidwell . . . . .	173	. . . .	-
5150	Cedar Creek at Cedarville . . . . .	174	. . . .	-
7150	Eagle Creek at Eagleville . . . . .	175	. . . .	-

Eagle Lake

G31150	Pine Creek near Susanville . . . . .	176	. . . .	-
2100	Eagle Lake near Susanville . . . . .	-	. . . .	268



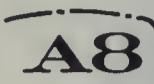


Herlong

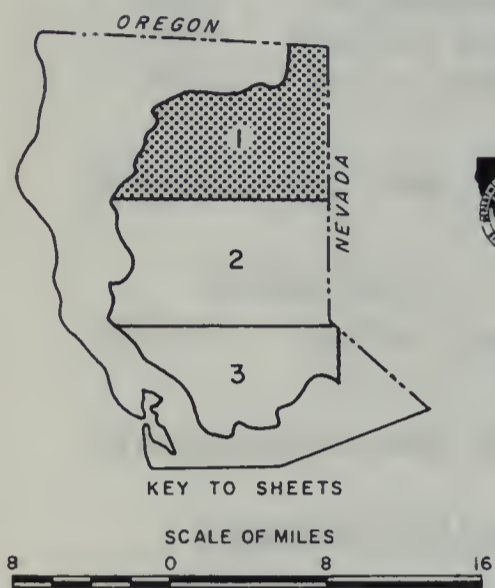
G61200	Long Valley Creek near Doyle . . . . .	177	. . . .	-
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LEGEND

-  BOUNDARY OF AREA OF INVESTIGATION
-  MAJOR DRAINAGE BOUNDARY
-  HYDROGRAPHIC BOUNDARY AND FIRST TWO SYMBOLS OF STATION CODE NUMBER
-  MEASUREMENT STATION AND LAST FOUR SYMBOLS OF THE STATION CODE NUMBER
-  AREA OF DIVERSION MEASUREMENTS



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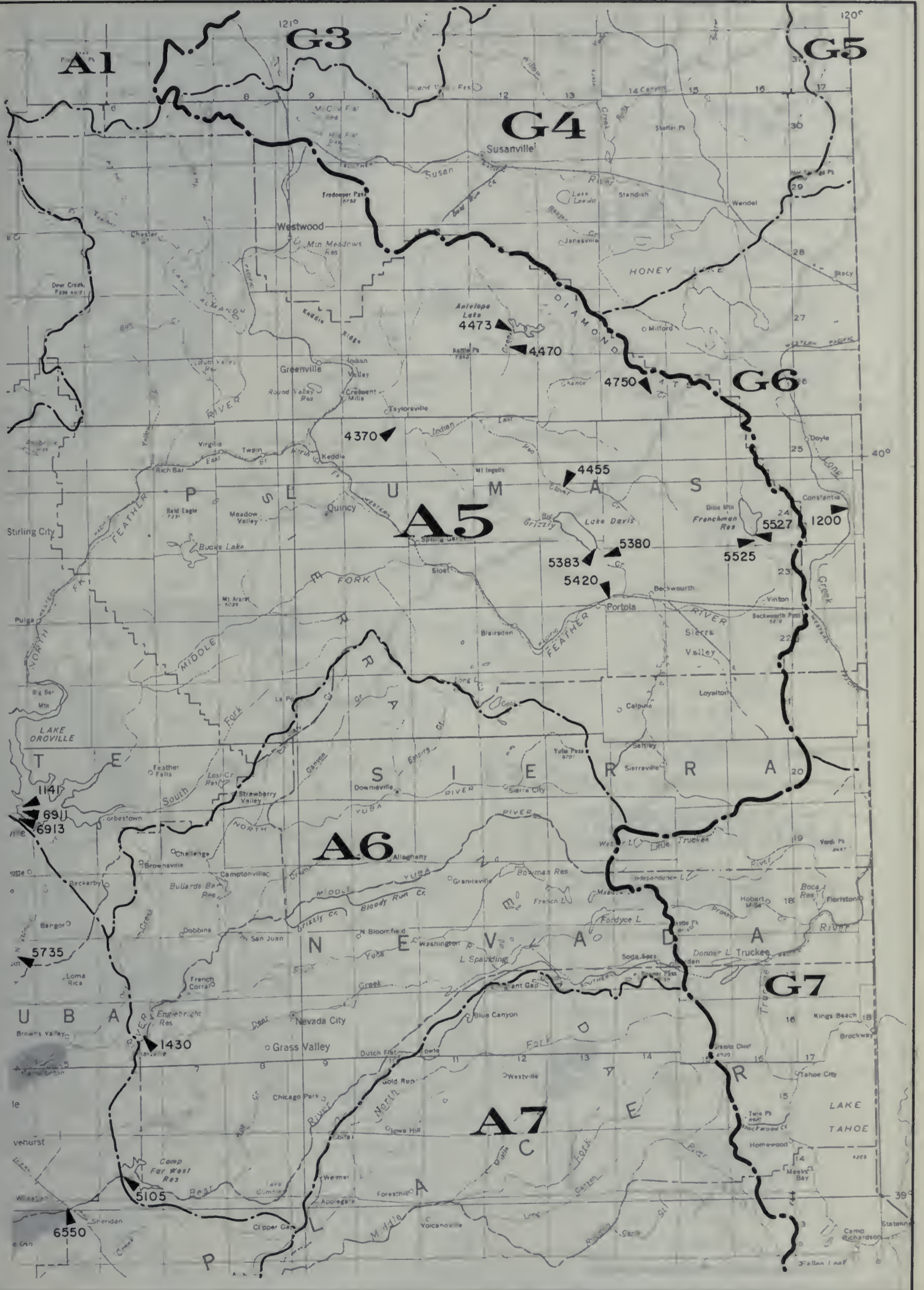


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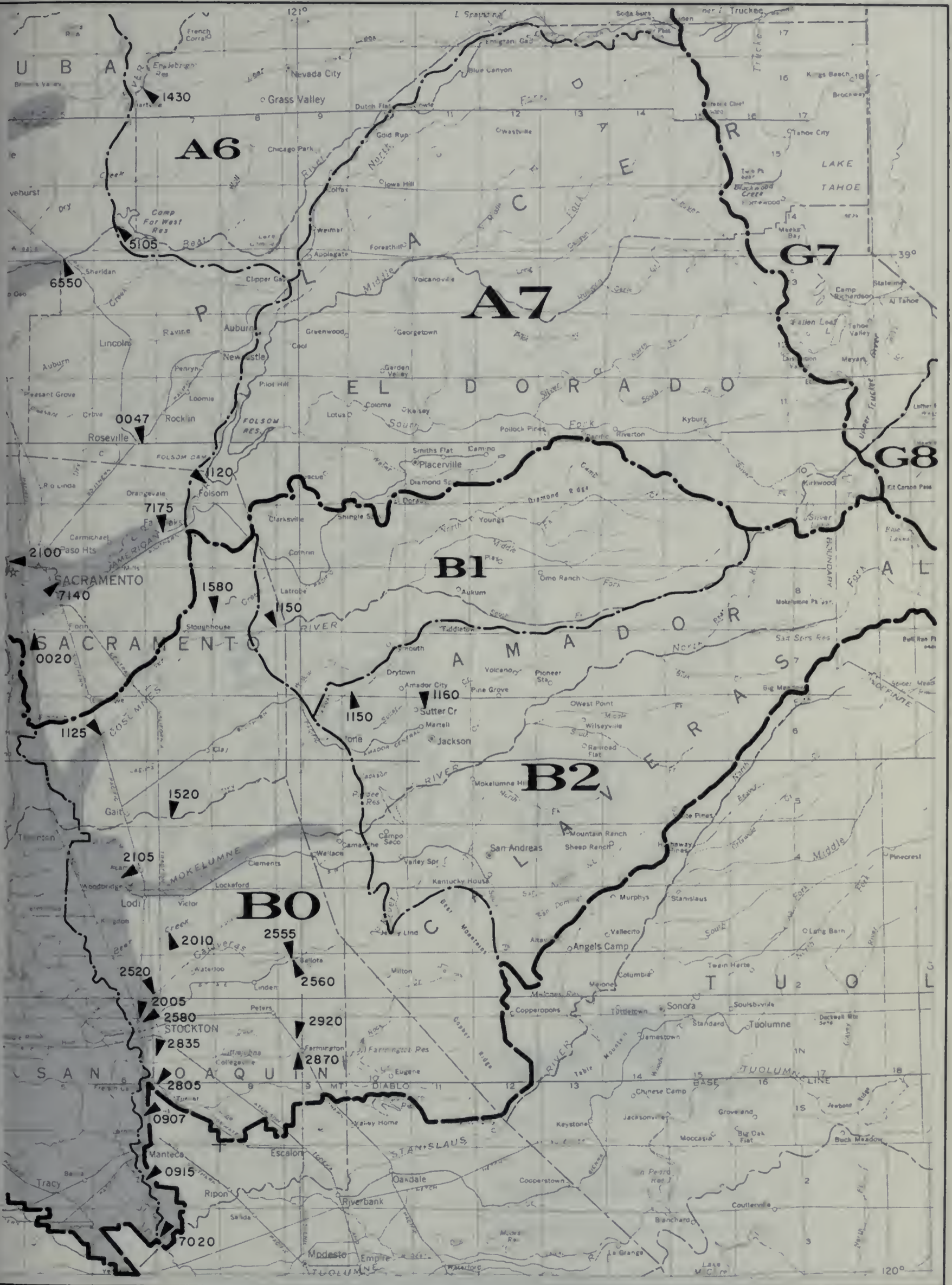


SURFACE WATER MEASUREMENT STATIONS 1967-68



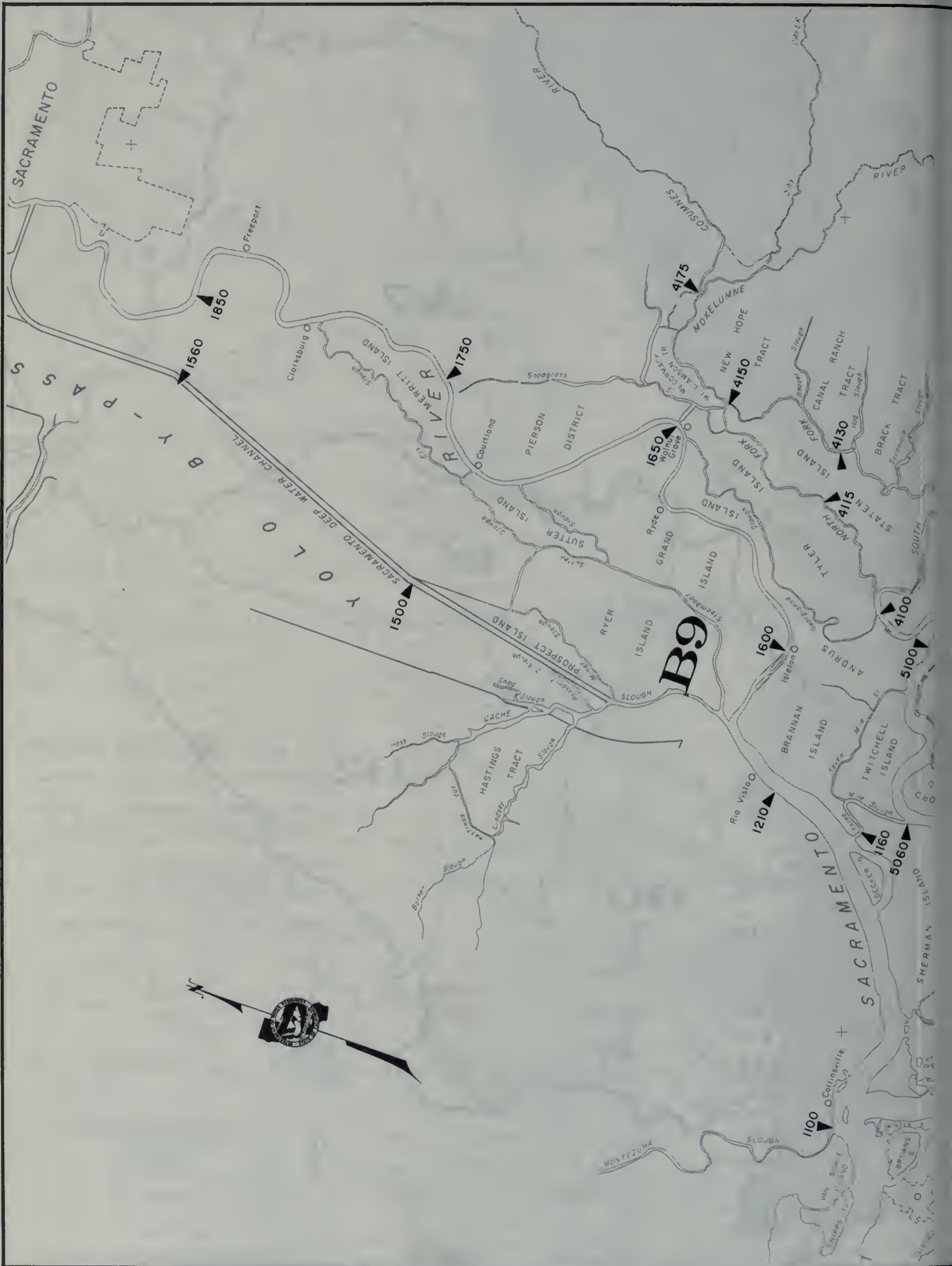




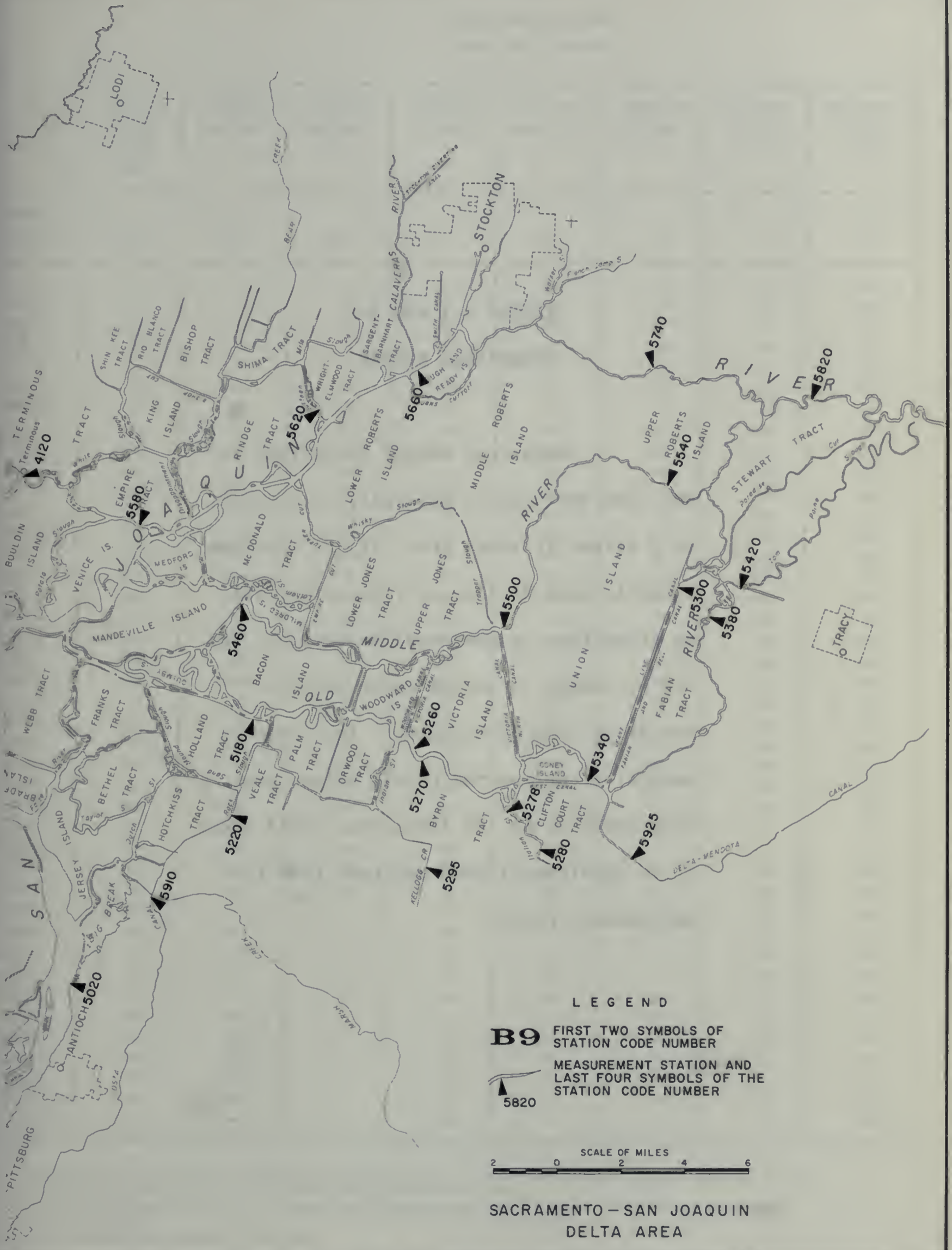


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SURFACE WATER MEASUREMENT STATIONS 1967-68



SURFACE WATER MEASUREMENT STATIONS 1967-68



TABLES B-1 AND B-2

UNIMPAIRED RUNOFF

Unimpaired runoff is defined as the flow that occurs naturally at a point in a stream if there are: (1) no upstream controls such as dams or reservoirs; (2) no diversions or unnatural accretions; and (3) no change in ground water storage resulting from development. The computed natural or unimpaired runoff values are considered to be the flows that would occur if no impairments were upstream from the measurement point.

TABLE B-1  
ANNUAL UNIMPAIRED RUNOFF  
In Percent of Average

	Sacramento and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River near Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill	San Joaquin River near Vernalis (a)
Average Annual Runoff (b)	22602	7690	16600	4159	2226	2525	690	5312
1927-28	96	99	102	100	109	100	93	82
1928-29	51	57	51	44	45	45	50	54
1929-30	76	79	81	95	82	65	67	61
1930-31	35	43	37	35	29	28	30	31
1931-32	91	66	79	80	95	103	108	125
1932-33	56	60	54	48	48	50	61	63
1933-34	50	59	52	48	44	45	43	43
1934-35	105	97	100	103	101	102	102	121
1935-36	109	92	105	103	116	135	130	122
1936-37	91	78	80	76	83	92	101	123
1937-38	196	191	192	207	181	179	179	212
1938-39	51	57	49	45	41	41	49	55
1939-40	132	136	135	136	128	135	125	124
1940-41	159	186	163	156	141	125	122	150
1941-42	149	146	152	160	153	155	143	139
1942-43	130	111	127	135	141	153	145	137
1943-44	65	61	63	69	63	58	65	74
1944-45	99	86	90	90	95	100	112	124
1945-46	106	105	105	101	108	114	108	108
1946-47	63	66	63	61	61	56	57	64
1947-48	91	99	95	93	90	89	92	79
1948-49	72	78	72	62	67	74	75	72
1949-50	88	74	87	92	100	106	109	88
1950-51	139	118	138	137	159	183	168	137
1951-52	174	150	172	191	185	197	191	175
1952-53	111	126	121	125	115	105	99	82
1953-54	99	121	105	102	86	79	77	81
1954-55	66	74	66	59	58	62	63	66
1955-56	181	173	180	192	178	184	181	182
1956-57	88	93	90	87	88	85	87	81
1957-58	173	197	179	168	159	162	154	157
1958-59	68	88	73	69	56	49	54	56
1959-60	73	84	79	77	76	67	60	56
1960-61	63	93	72	63	51	41	40	40
1961-62	95	97	91	88	86	82	92	106
1962-63	133	129	139	151	147	141	127	118
1963-64	64	68	66	62	67	65	62	59
1964-65	155	135	155	167	174	178	173	153
1965-66	77	95	78	69	64	55	66	76
1966-67	156	137	145	151	148	157	165	188
1967-68 (c)	74	90	81	82	70	63	60	56

(a) Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from valley floor.

(b) Average unimpaired runoff in thousands of acre-feet computed from the 50-year period October 1915 through September 1965.

(c) Preliminary data subject to revision.



TABLE B-2

## MONTHLY UNIMPAIRED RUNOFF

In Percent of Average

Month		Sacramento and San Joaquin Rivers to Delta (a)	Sacramento River near Red Bluff	Sacramento River at Sacramento (a)	Feather River near Oroville	Yuba River at Smartville	American River at Fair Oaks	Mokelumne River near Mokelumne Hill	San Joaquin River near Vernalis (a)
October 1967	Percent	100	104	99	97	71	95	118	107
	Average	514	290	461	108	36	27	4	49
November 1967	Percent	65	74	67	74	40	44	44	51
	Average	845	409	722	164	77	72	16	107
December 1967	Percent	46	55	48	46	34	34	29	41
	Average	1805	796	1536	360	192	188	37	233
January 1968	Percent	72	79	76	84	71	54	49	49
	Average	2060	971	1772	378	201	221	37	251
February 1968	Percent	134	134	141	150	156	139	130	90
	Average	2815	1247	2371	528	288	308	54	390
March 1968	Percent	90	98	95	102	87	79	82	68
	Average	2880	1081	2304	572	299	352	73	503
April 1968	Percent	62	60	61	62	62	60	66	66
	Average	3608	1001	2611	742	396	472	129	867
May 1968	Percent	59	78	60	57	52	46	60	58
	Average	3840	669	2260	648	425	519	194	1386
June 1968	Percent	46	79	55	58	37	30	29	38
	Average	2426	430	1241	320	216	275	121	1064
July 1968	Percent	59	101	80	82	44	8	17	25
	Average	932	300	568	151	54	64	20	344
August 1968	Percent	107	130	119	104	79	104	70	50
	Average	478	251	392	102	23	16	4	83
September 1968	Percent	105	122	109	96	37	59	59	68
	Average	399	245	362	85	20	11	2	36
1967-68 Water Year	Percent	74	90	81	82	70	63	60	56
	Average	22602	7690	16600	4159	2226	2525	690	5312

(a) The percent values are preliminary, subject to revision.  
Average unimpaired runoff in thousands of acre-feet computed from the 50 year period October 1915 through September 1965.  
Figures were computed from summations of unimpaired runoff at foothill stations on major tributaries only and do not include runoff from minor tributaries and from the valley floor.

TABLE B-3

SUMMARY OF WATER SUPPLY AND UTILIZATION  
SACRAMENTO-SAN JOAQUIN DELTA

This table presents in thousands of acre-feet the correlation of water supply and use for the Sacramento-San Joaquin Delta Service Area.

The Delta Service Area is a natural hydrographic subdivision which is comprised of two subareas. One is the Delta Lowlands which are those lands within a boundary located approximately at the 5-foot contour; the Delta Uplands are those lands outside the Delta Lowland boundary which are served by water from the lowland channels.

The water supply available to the Delta Service Area is the sum of the measured inflow and the precipitation. The measured inflow is determined from 18 gaging stations listed in the table. The precipitation is determined by the Thiessen Balance Method for stations located at Davis, Galt, Rio Vista, Lodi, Brentwood, Stockton, and Tracy S. P. "Water Utilization" in the same table includes agricultural use, evaporation, exports through the California Aqueduct, Delta Mendota and Contra Costa Canals, and diversion for the City of Vallejo. Agricultural use in the uplands is determined by direct measurement of diversions; however, in the lowlands, because it cannot be measured directly, agricultural use is computed by unit values of consumptive use of the various crops, multiplied by the acreages. Unit values of consumptive use were derived from experimental work by the University of California and California Extension Service as reported in Bulletin No. 27, "Variations and Control of Salinity in Sacramento-San Joaquin Delta and Upper San Francisco Bays". Crop acreage values used in this table were determined from a survey made in 1960 and 1961.



TABLE B-3

SUMMARY OF MONTHLY WATER SUPPLY AND UTILIZATION  
SACRAMENTO-SAN JOAQUIN DELTA  
(In thousands of acre-feet)

Item	Record on Page No.	1967					1968							Water Year Total
		OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
<b>WATER SUPPLY</b>														
<u>Measured Inflow</u>														
Sacramento River at Sacramento	137	993	869	1056	1259	2288	2215	859	819	676	775	800	781	1339
Sacramento Weir Spill to Yolo Bypass	135	0	0	0	0	0	0	0	0	0	0	0	0	0
Yolo Bypass near Woodland	148	1	1	1	52	377	142	5	1	0	0	1	1	582
South Fork Putah Creek near Davis	147	0	0	2	3	4	33	11	2	2	0	0	0	57
Morrison Creek near Sacramento	168	1	1	1	1	1	1	0	1	0	0	0	0	7
Cosumnes River at McConnell	167	1	2	6	15	54	41	24	9	1	0	0	0	153
Dry Creek near Galt	165	0	0	1	6	15	13	4	1	0	0	0	0	40
Mokelumne River at Woodbridge	162	74	21	5	9	19	27	4	2	2	2	3	2	170
Bear Creek near Lodi	161	0	0	0	2	3	3	0	0	0	0	0	0	8
Calaveras River near Stockton	157	0	0	0	0	2	1	0	1	1	2	2	1	10
Mosher Slough near Stockton	160	0	0	0	0	0	0	0	0	0	0	0	0	0
Stockton Diverting Canal at Stockton	159	0	0	0	3	42	23	1	1	0	0	0	0	70
Duck Creek near Stockton	156	0	0	0	0	1	1	0	1	0	0	1	0	4
French Camp Slough near French Camp	153	4	1	1	1	7	5	2	3	1	1	2	3	31
South San Joaquin Irrigation District Drain 11 near Manteca	150	1	1	0	0	0	0	1	2	2	1	1	1	10
South San Joaquin Irrigation District Main Drain near Lathrop	154	1	0	0	0	0	0	1	2	2	0	0	2	8
San Joaquin River near Vernalis	149	168	207	223	181	151	190	85	55	35	31	47	56	1429
Marsh Creek at Byron	172	0	0	0	0	1	0	0	0	0	0	0	0	1
<u>Precipitation</u>		7	61	72	212	98	116	22	11	0	0	34	0	633
<b>Total Water Supply</b>		<b>1251</b>	<b>1164</b>	<b>1368</b>	<b>1744</b>	<b>3063</b>	<b>2811</b>	<b>1019</b>	<b>911</b>	<b>722</b>	<b>812</b>	<b>891</b>	<b>847</b>	<b>16603</b>
<b>WATER UTILIZATION</b>														
<u>Consumptive Use in Delta Lowlands</u>														
		97	58	32	36	53	79	118	137	182	214	203	146	1355
<u>Exportations</u>														
Delta-Mendota Canal	215	98	57	26	39	99	202	224	256	250	291	240	214	1996
Contra Costa Canal	215	6	5	5	6	3	3	8	10	13	14	12	11	96
City of Vallejo	215	1	1	1	1	0	1	1	1	1	1	2	1	12
California Aqueduct	215	1	5	1	1	1	71	13	19	17	13	4	10	175
<u>Delta Uplands Diversions</u>														
Old River	201	6	0	0	0	0	1	16	24	24	26	21	13	131
Tom Paiaie Slough	201	1	0	0	0	0	1	3	5	4	5	3	2	24
French Camp Slough below French Camp	202	0	0	0	0	0	0	0	1	1	1	0	0	3
San Joaquin River (Stockton to Vernalis)	203	3	0	1	0	0	1	13	17	14	15	11	7	82
Sacramento River below Sacramento	207	0	0	0	0	0	0	0	0	1	1	1	1	4
Yolo Bypass (West Cut)	207	4	2	1	0	0	0	3	6	7	10	7	4	44
Calaveras River	205	0	0	0	0	0	0	0	0	1	0	0	0	1
Mokelumne River below Woodbridge	205	1	0	0	0	0	0	1	3	3	3	3	2	16
Cosumnes River below McConnell	206	0	0	0	0	0	0	1	1	2	1	1	1	7
Putah Creek	208	0	0	0	0	0	0	0	1	1	0	0	0	2
Miscellaneous		9	4	0	1	0	1	10	17	21	22	18	14	117
<b>Total Water Utilization</b>		<b>233</b>	<b>132</b>	<b>76</b>	<b>100</b>	<b>158</b>	<b>360</b>	<b>486</b>	<b>558</b>	<b>542</b>	<b>617</b>	<b>569</b>	<b>524</b>	<b>4365</b>

TABLE B-4

GAGING STATION ADDITIONS AND DISCONTINUATIONS

ADDITIONAL STATIONS

Camp Far West Reservoir near Sheridan 3-22-66  
Italian Slough near Mouth 5-21-68  
Lake Oroville near Oroville 11-14-67  
Little Potato Slough near Terminous 2-21-68  
North Fork Mokelumne River near Isleton 2-20-68  
South Fork Mokelumne River at Hog Slough 2-21-68  
Thermalito Afterbay Release to Feather River near Oroville 12-24-67

REACTIVATED STATIONS

Grantline Canal at Tracy Road Bridge 3-2-68  
Middle River at Bacon Island 2-27-68  
Middle River at Mowry Bridge 2-27-68  
San Joaquin River at Brandt Bridge 1-3-68  
Tom Paine Slough above Mouth 2-26-68  
Rock Slough at Contra Costa Canal Intake 2-27-68

DISCONTINUED STATIONS

Bear Creek near Millville 9-30-67  
Brisco Creek near Elk Creek 9-30-67  
Clover Creek at Upper Lake 4-29-68  
Dry Fork South Fork Cottonwood Creek near Cottonwood 9-30-67  
Fall River near Dana 9-30-67  
Gold Run Creek near Susanville 9-30-67  
Horse Creek at Little Valley 9-30-67  
Kelly Ridge Turnout to Palermo Canal near Oroville Dam 10-22-68  
Little Last Chance Creek near Chilcoot 10-3-67  
Miller Creek near Sattley 10-2-67  
North Fork Davis Creek near Davis Creek 9-30-67  
Salt Creek near Bella Vista 9-30-67  
Smithneck Creek near Loyalton 10-2-67  
South Fork Butte Creek near Mineral 9-30-67  
Turner Creek near Canby 9-30-67  
Willow Creek near Litchfield 9-30-68  
Willow Creek near Willow Ranch 9-30-67  
Yolo Bypass above Sacramento Bypass 11-3-67

PUBLICATION DISCONTINUED

Bear Creek near Lockeford 9-30-67

PUBLISHED DATA FROM PRIOR YEARS

Camp Far West Reservoir near Sheridan 1966, 1967  
Duck Creek near Stockton 1967



TABLE B-5  
DAILY MEAN DISCHARGE

The streamflow table for each stream or stream system is arranged in downstream order. Stations on a tributary entering between two main stem stations are listed between those stations, and in downstream order on that tributary. A stream gaging station is named after the stream and the nearest post office (Feather River at Yuba City) or well-known landmark (San Joaquin River at Brandt Bridge).

The discharge estimated for periods of no record or invalid record are shown with the letter "E". Also qualified by the letter "E" are discharges obtained from extended ratings which exceed 140 percent, the highest measured flow-rate on which the rating curve was based.

The discharge figures in this table have been rounded off as follows:

Daily Flows - Second-Feet

0.0	- 9.9	nearest	Tenth
10	- 999	"	Unit
1,000	- 9,999	"	Ten
10,000	- 99,999	"	Hundred
100,000	- 999,999	"	Thousand

Monthly Means - Second-Feet

0.0	- 99.9	nearest	Tenth
100	- 9,999	"	Unit
10,000	- 99,999	"	Ten
100,000	- 999,999	"	Hundred

Yearly Totals - Acre-Feet

0.0	- 9,999	nearest	Unit
10,000	- 99,999	"	Ten
100,000	- 999,999	"	Hundred
1,000,000	- 9,999,999	"	Thousand

The streamflow data received from cooperating agencies do not necessarily adhere to the above criteria. These data are published as received, except that minor rounding off of certain figures is necessary to make the data compatible to the Department's machine programs.

TABLE B-5

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A13060	LASSEN CREEK NEAR WILLOW RANCH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.2	2.1	2.9	NR	NR	26	20	12	8.3	3.1	0.6	1.0	1
2	1.8 *	1.8	4.0	NR	NR	24	22	13	8.3	2.9	0.6	1.1	2
3	3.6	1.6	1.8	NR	NR	22	20	13	9.4	2.7	0.5	1.0	3
4	1.4	1.8	2.1	NR #	NR	21	19	13	8.3	2.5	0.4	1.0	4
5	1.4	1.8	1.8	NR	NR	23	20	13	11	2.7	0.4	1.0	5
6	1.4	2.1	NR #	NR	NR	22	18	13	12	2.9	0.4 *	0.9	6
7	1.4	1.8 *	NR	NR	NR #	20	17	13	11	2.7	0.4	0.9	7
8	1.4	1.8	NR	NR	5.8	18	17 *	12	8.7	2.1	0.4	0.8	8
9	1.3	2.3	NR	NR	5.4	15	17	12	8.0	2.1	0.5	0.7	9
10	1.3	3.1	NR	NR	5.8	15	17	12	7.3 *	1.8	0.6	0.6	10
11	1.4	2.3	NR	NR	6.6	14	18	12	6.9	2.3	0.4	0.5 *	11
12	1.6	2.1	NR	NR	5.4	12	19	12	6.2	2.3	0.5	0.6	12
13	1.4	1.8	NR	NR	4.9	13	18	18	6.2	2.5	0.6	0.7	13
14	1.4	2.5	NR	NR	7.3	13	17	17	5.8	2.3	1.2	0.8	14
15	1.6	2.5	NR	NR	3.6	11	17	15 *	5.8	2.3	1.3	0.9	15
16	1.6	2.3	NR	NR	3.6	11	17	12	5.4	2.3	1.6	0.9	16
17	1.6	2.1	NR	NR	8.3	10	15	11	5.4	2.1 *	2.1	0.9	17
18	1.6 *	2.5	NR	NR	20	10	15	11	4.9	2.1	2.7	0.8	18
19	1.8	3.6	NR	NR	42	10	14	11	4.7	1.8	9.4	0.8	19
20	1.8	2.9 *	NR	NR	54 *	11 *	13	12	4.7	1.6	4.9	0.9	20
21	2.1	2.5	NR	NR	47	10	11	11	4.7	1.3	3.3	1.0	21
22	2.9	1.8	NR	NR	59	11	11	13	4.5	1.3	2.5	1.0	22
23	2.5	2.5	NR	NR	102	11	12 *	15	4.5	1.3	2.1	1.0	23
24	2.1	2.7	NR	NR	60	12	11	14	4.2	1.1	1.8	0.9	24
25	1.8	2.1	NR	NR	46	14	11	13	4.0	1.1	1.4	0.9	25
26	2.1	2.5	NR	NR	38	12	10	11	3.8	1.1	1.6	0.9	26
27	2.1	1.8	NR	NR	34	12	10	10	3.8	1.0	1.4 *	0.8	27
28	2.9	1.3	NR	NR	30	13	10	9.4	3.6	1.0	1.4	0.8	28
29	2.5	2.1	NR	NR	28	15	11	9.0	3.8	1.0	1.3	0.8	29
30	2.1	2.7	NR	NR		17	12	9.0	3.8	1.0	1.3	0.8	30
31	2.1		NR	NR		18		8.7		0.6	1.2		31
MEAN	1.8	2.2	NR	NR	NR	15.0	15.3	12.3	6.3	1.9	1.6	0.9	MEAN
MAX.	3.6	3.6	NR	NR	NR	26	22	18	12	3.1	9.4	1.0	MAX.
MIN.	1.2	1.3	NR	NR	NR	10	10	8.7	3.6	0.6	0.4	0.5	MIN.
C.FT.	113	132	NR	NR	NR	924	910	754	375	117	97	51	AC.FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION  
OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
NR	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
41 53 02	120 20 27	SE27 47N 14E	615 E	5.26	12-25-64	JUN 61-DATE	JUN 61-DATE	1961		0.00	LOCAL

Station located at U. S. Highway 395 culvert, approximately 2 mi. SE of Willow Ranch. Tributary to Goose Lake. Stage-discharge relationship affected by ice at times.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A14100	PINE CREEK NEAR ALTURAS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	11	10	11 E	13 E	14 E	14	15	22	31	20	12	8.9	1
2	11	10	11 E	13 E	14 E	14	16	22	32	20	12	9.0	2
3	12 *	10	11 E	13 #	14 E	13	14	22	34	19	12	9.0	3
4	11	10	11 E	13 E	14 E	13	14	22	35	18	11	9.0	4
5	11	10	11 E	13 E	14 E	14	14	22	40	18	12	9.2	5
6	11	10	11 E	13 E	14 E	13	13	22	41	18 E	11	9.2	6
7	11	10	11 #	13 E	14 E	13	12	24	38	18 E	11 *	9.3	7
8	11	10 *	11 E	13 E	14 #	13	12	27	37	17 E	10	9.3	8
9	11	11	11 E	13 E	14 E	12	13 *	28	35	17 E	10	9.4	9
10	11	11	11 E	13 E	14 E	12	14	28	34	16 E	10	9.4	10
11	11	10	11 E	13 E	13 E	12	16	29	32 *	15 E	10	9.4 *	11
12	11	10	11 E	13 E	13 E	12	17	29	31	14 E	9.7	9.4	12
13	11	10	11 E	13 E	12 E	12	16 E	32	30	14 E	9.7	9.4	13
14	11	11	11 E	13 E	12 E	12	16	30	29	13 E	12	9.4	14
15	11	11	11 E	13 E	12 E	12	16	31	28	13 E	10	9.7	15
16	11	11	12 E	13 E	11 E	12	16	30 *	28	12 E	11	9.7	16
17	11	11	12 E	13 E	11 E	13 E	15 E	29	27	12 E	11	9.4	17
18	11	12	12 E	13 E	11	13 E	14 E	29	27	12 *	11	9.4	18
19	11 *	15	12 E	13 E	12	13 E	14 E	29	26	12	17	9.4	19
20	11	12	12 E	13 E	41	13 E	13 E	29	26	12	13	9.7	20
21	11	11 #	12 E	14 E	33 *	13 #	13	28	26	12	11	9.7	21
22	11	11 E	12 E	14 E	54	13 E	13 *	31	26	12	10	9.3	22
23	11	11 E	12 E	14 E	54	13 E	13	32	26	12	9.4	9.3	23
24	11	11 E	12 E	14 E	29	12	14	32	25	12	9.2	9.3	24
25	11	11 E	13 E	14 E	20	13	15	31	25	12	8.9	9.2	25
26	11	11 E	13 E	14 E	17	12	16	30	24	12	8.9	9.0	26
27	11	11 E	13 E	14 E	16	12	17	30	23	11	8.9	9.0	27
28	11	11 E	13 E	14 E	15	15	18	29	22	11	8.8 *	8.9	28
29	11	11 E	13 E	14 E	14	14	19	28	22	11	8.8	8.9	29
30	10	11 E	13 E	14 E		15	21	28	21	11	8.8	8.9	30
31	10		13 E	14 E		15		29		11	8.9		31
MEAN	11.0	10.8	11.7	13.4	18.6	13.0	15.0	27.9	29.4	14.1	10.5	9.3	MEAN
MAX.	12	15	13 E	14 E	54	15	21	32	41	20	17	9.7	MAX.
MIN.	10	10	11 E	13 E	11	12	12	22	21	11	8.8	8.9	MIN.
AC. FT.	674	645 E	722 E	821 E	1071 E	797	891	1714	1747	867 E	649	552	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
15.4	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	11150
	78.0	2.06	2 22 1000	8.7	0.86	8 30 0100	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
41 25 59	120 26 32	SW35 42N 13E	264 E	3.26	6-9-64	NOV 57-DATE	NOV 57-DATE	1957		0.00	LOCAL

Station located approximately 0.3 mi. N of Pine Creek Boulevard, 6.1 mi. SE of Alturas. Tributary to Pit River. Stage-discharge relationship affected by ice at times. Station discontinued in October 1963, reinstalled April 16, 1964 at a site approximately 2000 ft. downstream.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A18350	ASH CREEK AT ADIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18	29	30	32 E	21	139	57	27	14	14	18 E	24	1
2	24 *	30	29	27 E	23	122	57	25	20	9.7	19 E	24	2
3	34	30	29	19 *	58	111	51	25	21	9.1	20 E	21	3
4	30	30	34	21	103	103	51	22	20	19	20 E	18	4
5	34	29	46	26	98	107	59	20	35	15	21 E	21	5
6	34	29	34 *	23	179 *	98	56	18	45	16	21 #	22	6
7	29	29	34 E	30	148	89	50	22	36	16	22	22	7
8	29	29	30 E	41	129	82	47 *	16	29	16	21	20	8
9	28	30 *	27 E	38	144	72	48	14	26	17	21	14	9
10	30	31	24 E	38	166	66	50	14	27 *	14	21	14	10
11	30	30	21 E	17	151	62	55	20	16	9.1	21	14 *	11
12	25	29	18 E	35	135	58	54	36	20	13	17	16	12
13	28	28	15 E	46	111	64	47	56	27	15	19	16	13
14	27	29	13 E	44	84	69	45	48	21	18	21	19	14
15	26	28	11 E	131	86	62	45	41 *	19	16	21	23	15
16	28	30	11 E	105	77	66	45	34	19	19	24	21	16
17	32	29	12 E	73 *	172	82	41	29	19	18 *	24	17	17
18	29	29	13 E	46	285	77	45	25	13	16	24	20	18
19	29 *	43	14 E	38	322	68 *	40	27	16	16	37	20	19
20	28	32 *	15 E	36	780	61	36	29	21	16 E	35	21	20
21	31	30	15 E	46	882	56	36	19	16	16 E	32	22	21
22	31	29	16 E	64	807	54	33 *	34	16	16 E	27	23	22
23	29	29	17 E	69	920	49	32	42	14	16 E	25	22	23
24	27	29	18 E	69	694	48	31	40	14	16 E	24	22	24
25	29	28	19 E	56	454	62	31	44	9.7	17 E	22	22	25
26	29	28	20 E	32	289	54	29	36	9.1	17 E	23	22	26
27	29	28	21 E	20	212	53	29	30	16	17 E	24 *	21	27
28	31	29	22 E	22	179 *	50	29	26	13	17 E	24	22	28
29	30	31	24 E	21	156	50	27	25	13	17 E	23	21	29
30	30	31	25 E	20		53	25	24	13	17 E	23	20	30
31	29		26 E	24		55		18		18 E	24		31
MEAN	28.9	29.8	22.0	42.2	271	72.3	42.7	28.6	19.9	15.7	23.2	20.1	MEAN
MAX.	32	43	46	105	920	139	57	56	45	19	37	24	MAX.
MIN.	18	28	11 E	19	21	48	25	14	9.1	9.1	17	14	MIN.
C.FT.	1779	1775	1355	2596	15580	4447	2541	1757	1186	964	1424	1198	AC.FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
 # - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
50.5	1200	10.22	2	20	0330	11 E		12	15		36630

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
41 11 54	120 56 30	SW21 39N 9E	2880 E	14.40	10-13-62	MAR 37-SEP 57 8 SEP 57-DATE	MAR 37-SEP 57 8 SEP 57-DATE	1957		0.00	LOCAL

Station located 200 feet above State Highway 299 bridge. Tributary to Pit River. Stage-discharge relationship affected by ice at times. Drainage area is 258 sq. mi.

8 - Irrigation season only.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A15150	BURNEY CREEK NEAR BURNEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17	13	25	18 E	33	234	166	71	27	12	9.6	12	1
2	33	15	24	18 E	38	204	156	68	27	12	9.2	12	2
3	59	18	36	18 #	52	188	141	66	26	11	11	12	3
4	25	16	50	18 E	47	181	131	64	28	10	10	9.6	4
5	24 *	16	88	18 E	43	224	134	64	45	9.2	9.6	9.6	5
6	23	16	43 *	18 E	40 *	196	129	63	53	8.2	11 *	10	6
7	22	17	34	18 E	41	168	121	60	43	13	11	11	7
8	22	16	28	18 E	40	152	116 *	56	38	16	11	12	8
9	20	16 *	28 E	18 E	40	136	118	56	33	18	10	12	9
10	20	19	28 E	18 E	42	121	121	50	30 *	16	11	13	10
11	20	19	27 E	18 E	43	120	138	58	30	16	9.6	13	11
12	20	20	27 E	18 E	45	134	139	60	27	15	9.6	13 *	12
13	20	20	26 E	18 E	49	128	120	113	22	16	9.2	14 *	13
14	20	28	26 E	80 E	44	132	110	96	20	15	11	20	14
15	20	23	25 E	165 E	44	139	108	63 *	20	15	11	18	15
16	20	20	25 E	131 E	41	196	102	60	20	15	11	17	16
17	20	17	25 E	98 #	100	163	91	54	16	13 *	12	16	17
18	20	18	24 E	66	154	128	88	52	18 *	13	11	16	18
19	20 *	38	24 E	52	182 *	107 *	86	54	19	12	24	16	19
20	20	25 *	23 E	49	196	104	83	76	18	13	24	15	20
21	20	16	23 E	50	538	99	83	63	16	11	32	15	21
22	20	18	22 E	49	438	99	82 *	71	15	9.6	25	15	22
23	20	20	22 E	47	687	104	79	78	19	10	18	15	23
24	20	17	22 E	44	580	104	76	66	20	9.6	15	15	24
25	20	19	21 E	43	408	169	75	58	12	9.2	14	14	25
26	20	16	21 E	42	358	168	75	57	12	9.2	16	12	26
27	20	19	20 E	41	318	132	75	53	13	8.7	16 *	13	27
28	20	20	20 E	40	275 *	126	75	43	16	9.2	16	10	28
29	20	24	20 E	78	250	132	70	38	13	8.7	15	9.6	29
30	17	32	19 E	141		148	68	36	13	8.2	15	11	30
31	13		19 E	38		156		33		8.7	13		31
MEAN	21.8	19.7	27.9	48.0	178	148	105	61.3	23.6	12.0	13.9	13.4	MEAN
MAX.	59	38	88	165 E	687	234	166	113	53	18	32	20	MAX
MIN.	13	13	19 E	18 E	33	99	68	33	12	8.2	9.2	9.6	MIN.
AC. FT.	1339	1172	1716 E	2951 E	10250	9108	6260	3769	1406	735	854	795	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
 # - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL
55.6	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	ACRE FEET
	765	9.37	2 23 1000				40360

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 52 18	121 40 58	SW19 35N 3E	1330	11.62	1-31-63	APR 58-DATE	APR 58-DATE	1958		0.00	LOCAL

Station located 300 ft. above county road bridge, 0.8 mi. SW of Burney. Tributary to Pit River. Stage-discharge relationship affected by ice at times. Flow affected by upstream diversion. Drainage area is 87.7 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A03545	NORTH FORK COTTONWOOD CREEK NEAR IGO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9.3	18	36	54	264	294	151	56	27	5.1	2.5	3.0	1
2	16 *	17	54	52	568	272	132	50	26	5.1	2.5	2.8	2
3	29	19	218	50	294	262	119	46	26	5.4	2.0	2.8 *	3
4	18	19	146 *	50 *	223	245	115	46	26	4.5	1.8	2.5	4
5	17	20	161	48	196 *	240 *	111	46	26	3.9	1.8	2.2	5
6	17	19	76	48	191	196	107	46	27 *	3.9	1.8 *	2.5	6
7	16	18	165	46	196	191 *	104	32 *	27	3.6	1.5	2.5	7
8	14	20	73	46	186	181	104	39	26	3.9 *	1.6	2.5	8
9	13	21	62	54	191	175	104	36	26	3.9	1.8	2.5	9
10	14	20	56	247	186	170	100	39	25	4.2	1.5	3.0	10
11	14	20	56	92	175	161	96	37	25	4.2	1.5	3.3	11
12	14	20	54	76 *	165	191	96 *	37	25	4.2 *	1.2	2.2	12
13	13	22	54	165	186	312	92	46	22	3.6	1.2	2.2	13
14	13	54 *	52	435	165	245	88	46	21	2.2	1.5	2.8	14
15	14	26 *	52	303	165	212	88	41	20	2.2	2.2	3.3	15
16	15	25	46	186 *	283	262	88	36	18	2.5	2.0	3.6	16
17	16	23	43	132	996	228	84	34	17	3.0	2.0	3.6	17
18	17	23	52	107	419	212	81	36	16 *	2.8	2.0	3.3	18
19	19	26	46	96	1300	202	78	39	13	1.3	4.8	3.0	19
20	16	25	45	88	1010 *	196 *	76	64	13	1.3	11	2.8	20
21	16	25	45	88	1050 *	186	73	45	13	1.2	13	3.0	21
22	16	25	48	88	1810	181	73	43	13	1.0	8.8	3.0	22
23	16	25	56	84	1330 *	170	76	39	13	0.8 *	6.2 *	3.0	23
24	16	26	62	81 *	926	170	73	37	11	0.8	4.2	3.0	24
25	16	27	62	81	696	170	70	37	7.6	0.8	4.2	1.5	25
26	16	26	64	81	564	165 *	67	37	6.6	1.2	6.9	1.3	26
27	16 *	27	67	84	431	156	64	36	6.6	1.2	6.2	1.3	27
28	16	29	70	103	350 *	132	64	33	6.6	1.0	6.2	1.3	28
29	16	59	67	435	311	123	62	32	6.6	1.0	4.2	1.3	29
30	16	48	59	329 *		119	62	29	6.2	1.2	3.6	1.3	30
31	20		56	218 *		123		29		1.5 *	3.3		31
MEAN	16	26	71	131	511	198	90	40	18	2.7	3.7	2.6	MEAN
MAX.	29	59	218	435	1810	312	151	64	27	5.4	13	3.6	MAX.
MIN.	9.3	17	36	46	165	119	62	29	6.2	0.8	1.2	1.3	MIN.
C.F.T.	980	1531	4370	8027	29409	12182	5351	2477	1075	164	228	154	AC.FT.

WATER YEAR SUMMARY

- ESTIMATED
- R - NO RECORD
- \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY
- # - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	ACRE FEET
90.8	2760	34.36	2 22 0930	0.8	29.82	7 23	65950

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 26 32	122 32 57	NW21 30N 6W	11000	39.45	12-22-64	NOV 56-DATE	NOV 56-DATE	1956		30.60	LOCAL

Station located at county road bridge, 4.4 mi. S of Igo, 4.4 mi. SE of Ono. Tributary to Sacramento River via Cottonwood Creek. Drainage area is 88.7 sq. mi.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A03595	SOUTH FORK COTTONWOOD CREEK NEAR COTTONWOOD

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.2 E	4.6	28	66	235	490	221	112	70	11 E	0.0	3.0	1
2	0.2 #	4.3	25	60	419	437	229	114	70	10 E	0.0	2.2	2
3	1.0	4.0	57	55	483	401	206	114 *	70	9.0 E	0.0	1.6 *	3
4	22	4.0	124 *	50 *	407	377	191 *	120	66	8.5 E	0.0	1.0	4
5	15	4.6	280	46	383 *	371	181	120	63	8.0 E	0.0	1.1	5
6	12	4.9	98	39	377	341	171	114	73 *	7.6 E	0.0 *	0.5	6
7	10	4.9	110	32	401	320 *	161	109	69 E	7.2 E	0.0	0.3	7
8	9.0	5.1	96	38	401	310	171	104	65 E	6.8 #	0.0	0.1	8
9	8.2	5.4	62	45	389	295	174	102	61 E	5.2 E	0.0	0.1	9
10	7.4	5.8	55	413 *	431	272	171	99	58 E	4.8 *	0.0	0.0	10
11	6.6	6.2	57	225 *	419	272	174	99	55 E	3.6	0.0	0.0	11
12	5.8	5.8	58	112	377	295	174 *	97	52 E	3.6	0.0	0.0	12
13	5.1	7.0	54	186	383	335	167	97	48 E	3.3	0.0	0.0	13
14	4.6	21 *	37	2520	335	290	155	99	45 E	3.0	0.0	0.0	14
15	4.0	42	28	3380 *	300	276	148	90	42 E	3.0 *	0.0	0.0	15
16	3.8	26	39	1500 *	439	290	142	83	39 E	3.0	0.0	0.0	16
17	3.8	19	36	696	866	300	136	81 *	36 #	2.7	0.0	0.0	17
18	3.8	19	45	455	649	272	128	81	34 E	2.4	0.0	0.0	18
19	3.8	19	32	341	1060	249	125 *	90	32 E	2.4	0.0	0.0	19
20	3.8	18	20	285	2900	230 *	120	107	30 E	2.0	0.0	0.0	20
21	4.3	18	23	285	2440	225	114	109	28 E	1.3	0.0 *	0.0	21
22	4.9	17	22	300	2050	218	109	102	26 E	1.0	19	0.0	22
23	5.1	15	22	280	2100	210	104	97	24 E	0.8	13	0.0	23
24	6.6	15	28	258 *	1730	210	97	90 *	22 E	0.4 *	9.3	0.0	24
25	6.2	14	49	240	1140	214	90 *	88	20 E	0.2	7.9	0.0	25
26	5.8	14	80	220	830	225	90	83	18 E	0.1	7.9	0.0	26
27	5.4 *	13	124	195	702	218 *	92	83	16 E	0.0	7.9	0.0	27
28	5.1	14	137	171	625 *	206	97	83	14 #	0.0	7.9	0.0	28
29	4.6	20	121	816	546	210	99	81	13 E	0.0	5.7	0.0	29
30	4.3	28	94	571 *		218	107	81	12 E	0.0	4.8	0.0	30
31	4.3		75	300 *		210		77		0.0	4.0		31
MEAN	6.0	13.3	68.3	457	821	283	145	97.0	42.4 E	3.6 E	2.8	0.3	MEAN
MAX.	22	42	280	3380	2900	490	229	120	70	11 E	19	3.0	MAX.
MIN.	0.2	4.0	20	32	235	206	90	77	12 E	0.0	0.0	0.0	MIN.
AC. FT.	370	791	4197	28130	47240	17430	8616	5962	2521 E	220 E	173	19.6	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN		MAXIMUM					MINIMUM					TOTAL
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
159		4446	7.13	1	15	0045	0.0	*	7	27		115700

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECDRD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 18 52	122 26 54	NB5 28N 5W	13400	13.6	12-22-64	APR 58-DATE	APR 58-DATE	1958		0.00	LOCAL

Station located at Bowman Road bridge, 11 mi. SW of Cottonwood. Tributary to Sacramento River via Cottonwood Creek. Drainage area is 218 sq. mi.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A03460	RED BANK CREEK NEAR RED BLUFF

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	2.5	125	51	14	1.7	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	1.9	332 *	45	18	1.5	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	1.7	191	39	11	1.3	0.0	0.0	0.0	0.0	3
4	0.0	0.0	4.2 *	1.7 *	131	34	8.9 *	1.3	0.0	0.0	0.0	0.0	4
5	0.0	0.0	29	1.7	88 *	33	8.9	1.3	0.0	0.0	0.0	0.0	5
6	0.0	0.0	9.5	1.5	62	28	7.8	1.1	0.0 *	0.0	0.0	0.0	6
7	0.0	0.0	24	1.7	50	27 *	7.2	1.1 *	0.0	0.0	0.0	0.0	7
8	0.0	0.0	14	1.7	41	28	6.7	0.8	0.0	0.0	0.0	0.0	8
9	0.0	0.0	7.8	2.2	35	24	6.7	0.6	0.0	0.0	0.0	0.0	9
10	0.0	0.0	5.8	101 *	38	21	6.2	0.5	0.0	0.0	0.0	0.0	10
11	0.0	0.0	4.5	29	30	20	6.7	0.4	0.0	0.0	0.0	0.0	11
12	0.0	0.0	3.4	15 *	26	24	6.2 *	0.4	0.0	0.0	0.0	0.0	12
13	0.0	0.0	3.1	22	34	33	5.3	0.5	0.0	0.0	0.0	0.0	13
14	0.0	0.0	1.9	891	30	24	5.3	1.1	0.0	0.0	0.0	0.0	14
15	0.0	0.0	2.2	380	26	20	5.3	1.7 *	0.0	0.0	0.0	0.0	15
16	0.0	0.0	2.8	100	246	33	4.5	1.3	0.0	0.0	0.0	0.0	16
17	0.0	0.0	2.2	48	635	27	4.1	0.9 *	0.0 *	0.0	0.0	0.0	17
18	0.0	0.0	4.1	31	223	20	4.1	0.6	0.0	0.0	0.0	0.0	18
19	0.0	0.0	4.9	24	437	19	3.7 *	0.9	0.0	0.0	0.0	0.0	19
20	0.0	0.0	4.1	19	391	17 *	3.4	1.9	0.0	0.0	0.0	0.0	20
21	0.0	0.0	3.1	17	281	16	3.4	1.9	0.0	0.0 *	0.0	0.0	21
22	0.0	0.0	3.1	15	239	16	3.4	1.9	0.0	0.0	0.0	0.0	22
23	0.0	0.0	2.8	14	247 *	15	3.4	1.5	0.0	0.0 *	0.0	0.0	23
24	0.0	0.0	2.8	12	170	14	3.1	0.9	0.0	0.0	0.0	0.0	24
25	0.0	0.0	3.1	11 *	120	14	2.8	0.8	0.0	0.0	0.0	0.0	25
26	0.0	0.0	3.1	9.5	95	13	2.8	0.5	0.0	0.0	0.0	0.0	26
27	0.0	0.0	3.1	8.9	77	12 *	2.2	0.4 *	0.0	0.0	0.0	0.0	27
28	0.0	0.0	3.1	9.5	64 *	10	2.2	0.4	0.0	0.0	0.0	0.0	28
29	0.0	0.0	2.5	951	56	10	1.9	0.2	0.0	0.0	0.0	0.0	29
30	0.0	0.0	2.5	370 *		8.9	1.9	0.1	0.0	0.0	0.0	0.0	30
31	0.0	0.0	2.5	154 *		8.3		0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	5.1	105	156	22.7	5.7	1.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	29	951	635	51	18	1.9	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	1.9	1.5	26	8.3	1.9	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	316	6443	8965	1397	339	59	0.0	0.0	0.0	0.0	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN		MAXIMUM					MINIMUM					TOTAL	
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET	
8832.5		3318	7.81	1	29	1915	0.0		10	1		17520	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 05 23	122 24 45	SE22 26N 5W	9729	10.06	1-5-65	FEB 48-JUL 49 8 MAY 50-MAY 56 NOV 56-DATE	FEB 48-JUL 49 8 MAY 50-MAY 56 NOV 56-DATE	1956		0.00	LOCAL

Station located at Red Bank Road bridge, 11 mi. SW of Red Bluff.

8 - Irrigation season only.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02700	SACRAMENTO RIVER AT VINA BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9940	10200	8860	9560	14500	34400	10400	10700	9280	12300	14000	10200	1
2	9940	9380	8380	9060	20700	29400	10400	10700	9700	12400	14000	10200	2
3	10600	8690	12200	8920	25500	23700	9910	10700	9700	12700	14100	10200	3
4	10400	8720	12600	8920	17800	19200	9530	10700	9880	12500	14000	10200	4
5	10200	8460	15000	8770	15100	18500	9360	10700	10300	12800	14100	10200	5
6	10100	7840	11200	8260	13900	18100	9230	10700	10600	13000	14100	10200	6
7	10100	7790	13300	7870	13500	17700	8950	10600	10800	12800	14100	10200	7
8	10100	7870	12700	7810	12800	17500	8660	10500	11000	12800 *	14100	10200	8
9	10100	7950	10700	7980	12400	17000	8580 *	10500	10900	12700	14100	10300	9
10	9970	7900	10100	24000	12800	16300	9380	10500	10800 *	12700	14100	10300	10
11	9940	7900	9850	15200	12200	15300	9500	10500	10700	12800	14200	10200	11
12	9970	7900	9670 *	10500	11700	15400	9530	10600	10500	13100	14200 *	10200	12
13	9940	7900	9580	10100	11500	18300	9360	10700	10400	13400	14300	10200	13
14	9790	8350	9380	32100	11300	18900	9280	10800	10200	13400	14100	10200	14
15	9820	8630 *	9310	62700	11000	17300	9200	10100 *	10300	13500	13700	10200	15
16	9850	8240	9410	29500	11500	19100	9330	9500	10500	13500	13400	10200	16
17	9850	8200	9410	19300	27900	22700	9360	9230	10500	13500	12900	10200	17
18	9760	8210	9530	14400	27800	15600 *	9730	9230	10300	13500	12600	10200	18
19	9790 *	8550	9470	12400	21000	13500	9700	9250	10600	13500	12900	10100	19
20	9790	8350	9410	11300	57200	12400	10400	9560	11000	13600	12800	10200	20
21	9850	8190	9330	10600	46500 *	11600	10700	9700	11000	13600	11700	10200	21
22	9940	8030	9330	10400 *	41200	11100	10800	9640	10900	13700	11900	10300	22
23	9970	8080	9330	10200	52200	10800	10800	9530	10900	13600	11100	10600	23
24	9970	8030	9330	9910	58600	10500	11200	9440	10900	13700	11000	10400	24
25	10000	8000	9410	9730	73800	10400	10900	9310	11200	13700	10900	10300	25
26	10000	8000	9560	9500	69300	10700	10700	9200	11700	13700	10800	10100	26
27	10000	8030	9790	9360	66500	10400	10600	9090	12400	13800	10800	10200	27
28	10000	8080	10000	9180	54900	10200	10600	8890	12200	13800	10700	9940	28
29	9970	8260	10000	20200	44400	10000	10700	8830	12200	13900	10500	9910	29
30	9910	8690	9880	39500		10100	10700	8720	12200	13900	10400	10200	30
31	10100		9730	18500		10100		8660		14000	10300		31
MEAN	9989	8281	10190	15350	29980	16010	9916	9896	10790	13290	12770	10210	MEAN
MAX.	10600	10200	15000	62700	73800	34400	11200	10800	12400	14000	14300	10600	MAX
MIN.	9760	7790	8380	7810	11000	10000	8580	8660	9280	12300	10300	9910	MIN.
AC. FT.	614200	492700	626300	943600	1725000	984200	590100	608500	641800	817000	785300	607400	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
13000	73680	81.29	1	15	0515	7526	67.13	11	7		9436000

LOCATION			MAXIMUM-DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 54 34	122 05 31	NE28 24N 2W	147000	89.42	2-25-58	APR 45-DATE	APR 45-DATE	1945		100.00	USED
			163000 E	90.97	12-23-64			1945		97.15	USCGS

Station located 250 ft. above Vina-Corning Highway bridge, 2.6 mi. SW of Vina. The maximum discharges of record are for the main river channel and do not include water by-passing the station on the left bank.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02630	SACRAMENTO RIVER AT HAMILTON CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9690	9560	8920	9620	15300	33400	9460	8340	7060	9890	11400	7990	1
2	9720	9150	8540	9120	18900	28600	9690	8310	7640	9920	11400	7960	2
3	10200	8250	11000	8980	25300	23700	9210	8340	7700	10300	11400	8050	3
4	10300	8250	12900	8890	18600	19400	8680	8400	7700	10200	11500	8100	4
5	9890	8130	14300	8890	15500	18100	8370	8480	8160	10300	11500	8160	5
6	9850	7440	12000	8450	14100	17600	8190	8540	8450	10700	11600	8310	6
7	9720	7380	12200	7990	13500	17100	7820	8570	8660	10500	11400	8420	7
8	9590	7410	13500	7900	12900	17000	7410	8510	8950	10500	11500	8510	8
9	9560	7470	11000	8020	12400	16500	6920	8570	8860	10400	11500	8600	9
10	9530	7410	10300	21500	12700	16000	7580	8600	8800	10400	11500	8710	10
11	9530	7440	9990	19300	12300	14800	7670	8600	8630	10500	11600	8770	11
12	9460	7470	9780	11400	11900	14900	7670	8800	8540	10500	11700	8890	12
13	9460	7440	9690	10100	11600	17000	7500	8920	8370	11000	11700	8950	13
14	9370	7760	9530	18200	11400	18400	7240	9240	8280	10900	11700	8980	14
15	9340	8160	9400	59800	11100	16900	7120	8680	8130	11000	11200	9060	15
16	9400	7990	9460	35500	11200	17100	7120	7900	8420	10900	10800	9030	16
17	9340	7790	9490	20300	24300	23100	7210	7610	8400	11000	10300	8950	17
18	9310	7790	9490	15000	29900	15900	7550	7500	8250	11000	9850	9000	18
19	9310	8100	9560	12700	20400	13300	7410	7550	8280	11000	10100	9000	19
20	9310	8020	9460	11600	49100	12100	8050	7790	8770	11200	10500	9090	20
21	9310	7930	9400	10900	46000	11200	8250	7900	8770	11100	12200	9150	21
22	9430	7730	9370	10600	39700	10800	8510	7840	8740	11200	10200	9240	22
23	9460	7730	9370	10400	46600	10400	8480	7760	8680	11200	9120	9460	23
24	9460	7760	9370	10100	51500	10200	8740	7670	8680	11200	8830	9340	24
25	9490	7730	9400	9890	64600	10100	8660	7610	8830	11200	8770	9280	25
26	9560	7730	9560	9650	63400	10300	8370	7440	9180	11200	8740	9060	26
27	9560	7760	9750	9460	60700	9820	8340	7350	9890	11300	8770	9120	27
28	9530	7820	10000	9340	53100	9340	8370	7120	9850	11300	8540	9090	28
29	9490	8130	10000	15300	43200	9240	8310	6890	9850	11400	8340	8830	29
30	9460	8660	9890	41400	9150	8250	8250	6770	9920	11300	8190	9150	30
31	9560		9750	20300	9340			6700		11300	8020		31
MEAN	9555	7913	10210	15180	28320	15510	8072	8010	8615	10830	10450	8808	MEAN
MAX.	10300	9560	14300	59800	64600	33400	9690	9240	9920	11400	12200	9460	MAX.
MIN.	9310	7380	8540	7900	11100	9150	6920	6700	7060	9890	8020	7960	MIN.
AC. FT.	587500	470900	627500	933400	1629000	953600	480300	492500	512600	666100	642400	524100	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION  
OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
11740	67000	40.56	2	25	1600	6570	28.01	5	31	1130	8520000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
39 45 07	121 59 43	NE20 22N 1W	350000 E	22.6	2-28-40	APR 45-DATE	27-DATE	1927	1945	127.9	USED	
			151000 E	49.64	12-23-64			1945		100.0		USED
								1945		96.5		USCGS

Station located at Gianella Bridge, State Highway 32, 1.0 mi. NE of Hamilton City.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A04242	MUD CREEK NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN MAX. MIN. AC. FT.													MEAN MAX. MIN. AC. FT.

DAILY FLOWS UNAVAILABLE AT TIME OF PUBLICATION. TO BE PUBLISHED IN BULLETIN NO. 130-69.

WATER YEAR SUMMARY

- E - ESTIMATED
- NR - NO RECORD
- \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY
- # - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 47 01	121 53 01	SE5 22N 1E				NOV 64-DATE	NOV 64-DATE	1964		0.00	LOCAL

Station located 0.1 mi. above Old Highway 99E Bridge, 4.9 mi. N of Chico. Tributary to Sacramento River via Big Chico Creek.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A00928	MUD CREEK DIVERSION AT CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

NO FLOW

WATER YEAR SUMMARY

- E - ESTIMATED
- NR - NO RECORD
- \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY
- # - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 45 07	121 48 01	SW18 22N 2E				NOV 64-DATE	NOV 64-DATE	1964		0.00	LOCAL

Station located 0.4 mi. above Wildwood Avenue Bridge, 4.0 mi. NE of Chico. This is flow diverted from Lindo Channel, during periods of high water.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A04250	BIG CHICO CREEK AT CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9.2	9.8	47	22	74	94	62	24	16	9.1	5.6	4.2	1
2	12	9.8	31	22	94	83	60	24	16	5.6	5.2	4.2	2
3	37	9.8	59	20	126	74	59	23	14	7.7	4.2	4.5	3
4	17	10	94	19	123	68	54	23	16	6.8	3.9	4.5	4
5	14	12	120	18	123	64	50	23	16	6.8	4.7	4.5	5
6	14	12	62	18	128	60	49	22	20	6.4	0.1	10	6
7	12	11	74	17	137	59	46	23	20	6.0	2.6	4.9	7
8	12	11	66	17	138	64	44	22	16	6.9	3.0	4.5	8
9	12	14	46	22	140	57	43	22	15	2.1	3.0	4.9	9
10	11	13	34	202	155	50	41	22	15	5.6	2.8	5.2	10
11	12	13	29	120	147	47	40	22	15	5.2	2.6	4.9	11
12	11	14	26	74	135	52	40	23	15	4.5 *	4.3	4.9	12
13	10	14	24	57	119	129	40	28	14	5.2	0.3	4.9	13
14	11	20	22	116	119	147	38	33 *	14	5.6	4.2	5.2	14
15	11	22	21	304	99	138	37 *	26	14	6.0	4.5 *	5.6	15
16	11	15	22	180	99	198	36	23	13	2.1	4.9	4.5	16
17	11	15 *	21	135 *	237	219	34	18	14	4.9	5.2	3.9	17
18	11	16	22	107	254	178	34	21	12	4.9	7.7	3.6	18
19	11	46	23	78	217	147	31	22	11	4.2	6.8	4.2	19
20	11 *	28	22	62	336 *	128	30	23	11	3.9	20	4.2	20
21	12	18	20	52	329	114	30	22	11	3.9	20	4.5	21
22	13	16	19	46	275	99 *	29	24	9.8	5.3	16	4.5	22
23	12	14	19	43	232	90	29	26	9.2	0.3	10	4.2 *	23
24	12	14	19	28	203	83	29	26	9.9	3.3	7.7	3.9	24
25	12	14	22	37	173	80	29	24	7.7	3.3	6.8	3.9	25
26	11	14	29	34	154	78	26	22	7.7	3.6	8.0	3.9	26
27	11	14	32	32	137	72	26	22	7.3	3.6	5.6	3.9	27
28	11	16	36	32	122	68	25	19	6.8	3.6	5.6	3.9	28
29	12	34	32	139	109	64	24	18	7.7	4.3	4.9	3.9	29
30	10	47	29	171	62	62	24	17	7.7	0.3	4.2	4.2	30
31	10		24	94	62	62		18		4.2	4.2		31
MEAN	12.5	17.2	37.0	74.8	163	94.5	38.0	22.7	12.7	4.7	6.1	4.6	MEAN
MAX.	37	47	120	304	336	219	62	33	20	9.1	20	10	MAX.
MIN.	9.2	9.8	19	17	74	47	24	17	6.8	0.3	0.1	3.6	MIN.
AC. FT.	766	1024	2273	4598	9390	5808	2259	1398	757	288	374	274	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
 # - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
40.2	378	5.83	1	15	0500	0.0	3.37	7	1	1945	29,210

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 43 38	121 51 43	SE28 22N 1E				JAN 56-DATE	JAN 56-DATE	1956		167.88	USED

Station located 50 ft. above Rose Avenue Highway Bridge, immediately W of Chico. Tributary to Sacramento River.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A00600	LINDO CHANNEL NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	51	NR	51	0.1	0.0	0.0 *	0.0	0.0	1
2	0.0	0.0 *	0.0	0.0	85	NR	48	0.4	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	131	NR	43	0.4	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	126	NR	38	0.3	0.0	0.0	0.0	0.0	4
5	0.0	0.0	92	0.0	128	NR	34	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	51	0.0	133	NR	30	0.0	0.0	0.0	0.0 *	0.0	6
7	0.0	0.0	26	0.0	160	43	27	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	21	0.0	164	53	24	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	4.8	0.0 *	165	42	21	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.5	516	207	35	20	0.0	0.0 *	0.0	0.0	0.0	10
11	0.0	0.0	0.0 *	157	194	31	18	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	48	156	40	16	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	30	142	133	15	0.0	0.0	0.0	0.0	0.0 *	13
14	0.0	0.0	0.0	109	121	202	14	0.0 *	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	876	97	176	12 *	0.0	0.0	0.0	0.0 *	0.0	15
16	0.0	0.0	0.0	367	96	392	10	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0 *	NR	182 *	546	430	9.6	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	NR	97	566	287	8.5	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	NR	58	402	205	7.9	0.0	0.0	0.0	0.0	0.0	19
20	0.0 *	0.0	NR	37	NR *	154	7.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	NR	26	NR	128	6.1	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	NR	20	NR	110 *	5.3	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	NR	16	NR	97	4.6	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	NR	14	NR	86	4.1	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	NR	11	NR	80	3.7	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	NR	8.8	NR	78	3.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	NR	7.3	NR	68	2.2	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	NR	6.4	NR	61	1.5	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	NR	256	NR	56	0.9	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	NR	277	NR	53	0.4	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	NR	83	NR	50	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	NR	103	NR	NR	16.2	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	NR	876	NR	NR	51	0.4	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	NR	NR	0.4	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	NR	6352	NR	NR	964	2.0	0.0	0.0	0.0	0.0	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
† - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
NR											NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 43 21	121 54 41	NW31 22N 1E	2990	18.55	1-5-65	JAN 56-DATE	JAN 56-DATE	1956		128.42	USED

Station located 100 ft. below Grape Way bridge, 4.0 mi. W of Chico. Tributary to Sacramento River via Big Chico Creek.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A31395	GRINDSTONE CREEK NEAR ELK CREEK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.0	2.6	7.0	36 E	115	381	198	68 *	31	14	1.0	1.0	1
2	7.0	2.0	4.2	31 E	216	349	170	68	28	12	1.0	0.6	2
3	7.0	2.6 *	68	26 E	373	341	144	65	24	12	1.0	0.6	3
4	8.2	3.4	86	24 E	297	311	139 *	68	26	12	0.6	0.6	4
5	8.2 *	4.2	165	20 #	282	282	134	65	26	11	0.6	0.6	5
6	7.0	4.2	46	20	311	242	125	61	26	9.4	0.6 *	0.6	6
7	6.0	5.0	72	18	319	223	115	58	26	8.2	0.6	0.6	7
8	5.0	5.0	43	18	319	193	111	55	22	7.0	0.6	1.0	8
9	4.2	5.0	31	33	311	165	111	55	20	5.0	0.6	1.0	9
10	3.4	5.0	33	346	319	144	115	55	20	5.0	0.6	1.0	10
11	3.4	5.0	36 *	120	297	134 *	134	52	22 *	4.2	0.6	1.0	11
12	3.4	6.0	36	79	275	170	134	52	22	3.4 *	1.0	1.0	12
13	3.4	8.2	26	172	268	193	111	61	22	3.4	1.0	1.0 *	13
14	3.4	49	18	1640	248	170	111	61	22	4.2	1.5	0.6	14
15	2.6	14	20	1460	216	170	111	52	22	4.2	1.5	0.4	15
16	3.4	5.0	20	533	326 *	255	98	49	20	3.4	1.0	0.2	16
17	3.4	2.6	24	326 *	634	235	90	43	20	2.6	1.0	0.2	17
18	2.6	1.5	33	262	514	198	86	43	20	2.6	1.0	0.2	18
19	3.4	1.5	28	216	1870 *	176	86	46	20	2.6	2.0	0.2	19
20	3.4	1.5	28	187	2240 *	165	79	72	18	2.6	2.6	0.2	20
21	4.2	1.5	41	187	1780	165	72	58	18	2.6	2.6	0.2	21
22	4.2	1.0	82	187	1380	165	65	58	18	2.6	2.6	0.2	22
23	7.0	0.6	111	165	1320	165	68	52	17	2.0	1.5	0.2	23
24	7.0	0.6	115	154	965	165	61	46	17	2.0	1.5	0.2	24
25	6.0	0.4	94	149	722	235	61	49	17	1.5	1.0	0.4	25
26	4.2	0.4	65 E	125	593	235	65	46	17	1.0	1.5	0.4	26
27	4.2	0.4	58 E	107	504	193	65	41	15	1.0	2.0	0.4	27
28	3.4	0.4	52 E	98	441	193	61	41	15	1.0	2.0	0.4	28
29	3.4	4.2	49 E	193	389	210	65	38	14	1.0	1.0	0.4	29
30	2.6	15	43 E	165	204	68	68	36	15	1.0	1.0	0.4	30
31	2.6		38 E	125	187			33		1.0 *	1.0		31
MEAN	4.6	5.3	50.7	233	615	213	102	53.1	20.7	4.7	1.2	0.5	MEAN
MAX.	8.2	49	165	1640	2240	381	198	72	31	14	2.6	1.0	MAX
MIN.	2.6	0.4	4.2	18	115	134	61	33	14	1.0	0.6	0.2	MIN.
AC. FT.	284	313	3118	14320	35380	13120	6054	3266	1230	289	76	31	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
 # - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	ACRE FEET
107	4567	12.52	2 19 1800	0.2		9 16	77480

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 40 46	122 31 43	SW15 2LN 6W				NOV 35-SEP 37 AUG 52-OCT 55 OCT 59-DATE	NOV 35-SEP 37 AUG 52-MAR 57 AUG 59-DATE				

Station located above Chrome Road bridge, 5.1 mi. N of Elk Creek. Tributary to Sacramento River via Stony Creek.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02570	SACRAMENTO RIVER AT ORD FERRY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9820	9500	8890	9380	16700	37800	10100	8200	6720	9960	11200	8040	1
2	9790	9300	8510	8950	18200	32200	10400	8200	7460	9930	11300	8010	2
3	10100	8510	10100	8770	27300	27200	9990	8200	7680	10300	11300	8080	3
4	10300	8420	13100	8690	20400	22200	9360	8270	7590	10300	11300	8140	4
5	9960	8390	13200	8660	16600	19900	8940	8400	8010	10200	11300	8240	5
6	9880	7790	12600	8330	15100	19300	8670	8430	8370	10600	11400	8400	6
7	9790	7640	11200	7910	14400	18500	8370	8550	8640	10500	11300	8490	7
8	9670	7580	13700	7790	13900	18100	7850 *	8430	8970	10500 *	11300	8610	8
9	9590	7580	11100	7820	13400	17700	7230	8460	8970	10400	11300	8700	9
10	9590	7520	10200	19000	13500	17200	7520	8460	8940 *	10400	11300	8760	10
11	9590	7520	9850	22700	13300	16100	7850	8490	8730	10400	11300	8820	11
12	9470	7580	9590	12200	12800	15900	7780	8610	8670	10500	11400 *	9000	12
13	9470	7550	9470	10300	12400	17400	7680	8700	8490	10900	11500	9090	13
14	9350	7730	9300 *	15000	12300	19500	7420	9150	8240	10900	11400	9150	14
15	9320	8120	9150	53500	12000 *	18300	7230	8820	8110	10900	11200	9240	15
16	9380	8060 *	9210	43800	11800	18400	7100	8040 *	8400	10900	10800	9210	16
17	9300	7820	9240	22500	22600	25800	7100	7650	8460	10900	10400	9180	17
18	9300	7820	9210	16200	34700	18200 *	7330	7460	8300	10900	9990	9270	18
19	9240	8030	9270	13700	22300	15200	7330	7460	8140	10900	9990	9180	19
20	9270 *	8030	9240	12300	46400	13800	7750	7680	8790	11000	10500	9270	20
21	9270	7910	9150	11600	57700	12900	8110	7850	8790	11100	11500	9360	21
22	9350	7760	9120	11200 *	52000	12400	8400	7880	8700	11100	10800	9450	22
23	9410	7700	9120	10900	53600	11800	8430	7750	8730	11000	9330	9660	23
24	9410	7730	9090	10700	59200	11500	8580	7680	8730	11000	9000	9660	24
25	9410	7700	9120	10500	68200	11200	8580	7560	8820	11000	8850	9540	25
26	9500	7670	9240	10300	67900	11100	8300	7420	9090	11000	8820	9330	26
27	9500	7640	9440	10100	62200	10900	8270	7300	9870	11200	8880	9330	27
28	9440	7700	9670	9900	57300	10400	8300	7100	9900	11100	8640	9360	28
29	9410	7940	9700	14500	47700	10100	8240	6890	9870	11200	8460	9060	29
30	9410	8450	9620	45000		9960	8140	6720	9990	11200	8270	9420	30
31	9440		9470	24900		10100		6540		11200	8080		31
MEAN	9540	7956	9964	15710	30890	17130	8212	7947	8606	10750	10390	8968	MEAN
MAX.	10300	9500	13700	53500	68200	37800	10400	9150	9990	11200	11500	9660	MAX.
MIN.	9240	7520	8510	7790	11800	9960	7100	6540	6720	9930	8080	8010	MIN.
AC. FT.	586600	473400	612600	966100	1777000	1053000	488600	488600	512100	661300	638900	533700	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	
12110	71600 E	61.41	2 25 2300	6440	46.20	5 31 1800	8792000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 37 39	121 59 28	SE32 21N 1W	370000 126000 E	121.7 68.9	2-28-40 12-23-64	JAN 48-DATE	21-MAY 27 # FEB 37-MAY 37 OCT 37-MAY 39 NOV 39-MAY 41 # NOV 41-DATE	1937	1960	0.00 50.00	USED

Station located 0.1 mi. below Ord Ferry. Records of flow in excess of 70,000 cfs are not reliable due to an undetermined amount of flow in Butte Basin by-passing the station.

# - Flood season only.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02986	MOULTON WEIR SPILL TO BUTTE BASIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	940	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	2800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	1790	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	863	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	0.0	223	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	2800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	0.0	12810	0.0	0.0	0.0	0.0	0.0	0.0	0.0	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION  
OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.		DAY	TIME
17.6											12810

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 20 18	122 01 18	SE12 17N 2W				JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located west of south end of weir, 4.6 mi. S of Princeton. Elevation of weir crest is 76.75 ft. USED datum; length of crest is 500 ft.

# - Flood season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02450	SACRAMENTO RIVER OPPOSITE MOULTON WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10200					41400	10700	7930	6060	9520	10800	7890	1
2	10000					34700	10900	7970	6780	9520	10800	7810	2
3	10100					30500	10700	7930	7070	9750	10800	7850	3
4	10500					25600	10100	8000	6990	9890	10900	7890	4
5	10300					21900 E	9560	8100	7260	9830	10900	8000	5
6	10100					20700 E	9180	8180	7680	10100	11000	8210	6
7	9980					19700 E	8880	8250	8120	10200	10900	8350	7
8	9920					18600 E	8400 *	8210	8310	10200	10900	8460	8
9	9850					17800 E	7780	8210	8420	10200 *	10900	8580	9
10	9810					16700 E	7720	8270	8380	10100	10800	8630	10
11	9810	NOT	NOT	NOT	NOT	15100 E	8060	8310	8290 *	10100	10900	8760	11
12	9660	T	T	T	T	14100 E	8000	8420	8180	10200	11000	8900	12
13	9660					14800 E	7890	8520	8000	10400	11000 *	9010	13
14	9540	COM	COM	COM	COM	19300 E	7530	8860	7810	10600	11000	9090	14
15	9470	P	P	P	P	19400 E	7300	8760	7620	10600	10900	9200	15
16	9560	U	U	U	U	17400 E	7160	8040 *	7810	10600	10500	9180	16
17	9490	T	T	T	T	27000 E	7130	7450	7930	10600	10200	9160	17
18	9510	E	E	E	E	27200 E	7180	7200	7810	10600	9750	9280	18
19	9470	D	D	D	D	17600 #	7280	7130	7530	10500	9560	9110	19
20	9430					15200	7490	7280	8160	10600	10100	9220	20
21	9450					14100	7930	7510	8270	10700	10300	9340	21
22	9510					13400	8270	7510	8270	10700	11500	9410	22
23	9540					12800	8330	7430	8210	10700	9490	9560	23
24	9540					12400	8380	7320	8200	10600	8970	9700	24
25	9540					12200	8540	7180	8200	10700	8800	9520	25
26	9620					12000	8230	7070	8480	10700	8750	9450	26
27	9640					11900	8080	6970	9050	10700	8730	9350	27
28	9620					11300	8140	6710	9350	10800	8560	9410	28
29	9560					11000	8040	6480	9390	10800	8370	9200	29
30	9510					10800	7890	6270	9450	10800	8160	9370	30
31	9490					10800		6100		10800	8000		31
MEAN	9722					18300 E	8359	7664	8036	10390	10100	8896	MEAN
MAX.	10500					41400	10900	8860	9450	10800	11500	9700	MAX.
MIN.	9430					10800	7130	6100	6060	9520	8000	7810	MIN.
AC. FT.	597800					1125000 E	497400	471200	478200	638900	621300	529400	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
NR											NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 20 13	122 01 50	SW12 17N 2W		85.5 83.0	2- 7-42 12-24-64	MAR 54-DATE 8	OCT 22-MAY 40 # JUL 40-JUL 41 NOV 41-JUL 43 # OCT 43-DATE			0.00	USED

Station located immediately west of weir, 4.8 mi. S of Princeton. Flow computed for irrigation season only.

# - Flood season only.  
8 - Irrigation season only.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02961	COLUSA WEIR SPILL TO BUTTE BASIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	11700 *	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	3480	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	357	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	597	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	13900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	2820	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	460	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	14700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	19000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	15500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	19500 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	24200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	30100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	28100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	24500 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	19800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	317	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	2960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	664	6755	501	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	13900	30100	11700	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	40850	388600	30820	0.0	0.0	0.0	0.0	0.0	0.0	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
634	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	460200

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 14 12	121 59 38	SE17 16N 1W		70.6	3-1-40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located at north end of weir, 2.0 mi. N of Colusa. Elevation of weir crest is 61.80 ft. USED datum; length of crest is 1,650 ft.

# - Flood season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A04910	LITTLE CHICO CREEK DIVERSION NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

NO FLOW

WATER YEAR SUMMARY

- E - ESTIMATED
- NR - NO RECORD
- \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY
- # - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
0.0											0.0

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
			1204 E	7.23	12-22-64	JAN 59-DATE					
			1186	7.18	1- 5-65						

See Little Chico Creek near Chico for records of stage and location. This is flow diverted from Little Chico Creek, into Butte Creek during periods of high water.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A04265	BUTTE CREEK NEAR DURHAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	96	32	184	146	335	736	605	174	63	11	6.9	6.2	1
2	118	29	146	132	439	685	591	170	58	14	7.3	6.2	2
3	268	29	223	129	507	629	556	163	50	16	7.8	6.5	3
4	146	44	345	115	432	591	528	160	52	17	9.4	6.9	4
5	129	52	514	115	400	584	521	152	50	14	8.2	6.9	5
6	127	56	241	118	400	570	500	138	60	12	7.3	6.9	6
7	110	64	305	115	426	556	486	129	58	16	6.9	7.3	7
8	105	64	228 *	115	446	570	452	121	55	8.2	7.3	7.8	8
9	94	66	180	129	465	535	378	115	53	8.2	7.8	8.6	9
10	90	70	160	1140	563	493	384	105	49	7.8	9.9	12	10
11	92	64	149	446	542	458	389	105	49	7.8	14	9.9	11
12	78	64	138	268	493	486	413	107	43	5.9 *	7.3	7.8	12
13	82	64	113	232	528	970	394	146	40	5.6	6.9	8.6	13
14	72	99	101	486	479	1030	372	166	37	6.2	10	11	14
15	66	105	101	2390	452	851	367	142	32	6.9	10 *	15	15
16	68	78	138	1020	465	1260	362	132	33	7.8	11	12	16
17	70	82 *	124	629 *	1720	1210	345	129	27 *	9.4	14	9.4	17
18	53	101	127	486	1480	900	330	127	28	7.8	16	9.0	18
19	37	194	132	406	1230	744	300 *	132	22	8.2	16	9.4	19
20	35 *	156	118	362	3130	661	264	166	16	5.9	63	14	20
21	37	121	110	335	3210	613	236	174 *	16	5.3	63	18	21
22	40	118	107	330	2380	598	198	180	20	5.0	36	18	22
23	42	105	99	330	2080	570	194	174	16	5.0	23	18 *	23
24	46	103	121	320	1680	563	180	174	18	5.0	16	16	24
25	46	107	129	315	1300	584 *	170	142	19	5.9	12	18	25
26	49	103	156	300	1100	598	177	127	20	5.0	10	18	26
27	50	101	210	295	970	563	180	110	15	6.5	9	21	27
28	52	110	223	290	880	542	180	101	17	5.0	8.6	25	28
29	55	180	191	789	797	563	170	88	10	4.7	12	30	29
30	52	194	170	1060	570	570	170	74	11	5.0	14	53	30
31	34		152	458	598	598	64	64		5.6	7.8		31
MEAN	78.7	91.8	175	445	1011	674	346	135	34.6	8.2	14.8	13.9	MEAN
MAX.	268	194	514	2390	3210	1260	605	180	63	17	63	53	MAX.
MIN.	34	29	99	115	335	458	170	64	10	4.7	6.9	6.2	MIN.
AC. FT.	4838	5464	10780	27370	58170	41420	20610	8305	2057	503	909	826	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR OBSERVATION  
OF NO FLOW MADE THIS DAY

# - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
250	3852	6.83	2	21	1100	3.8	2.53	7	23	2115	181300

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 40 37	121 46 38	NW17 21N 2E	21300 E	14.55	12-22-64	JAN 58-DATE	JAN 58-DATE	1958		181.01	USED

Station located 0.1 mi. below Ord-Chico Highway bridge, 2.6 mi. NE of Durham. Tributary to Butte Slough.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A04280	LITTLE CHICO CREEK NEAR CHICO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.3	0.8	13	3.7	70	37	24	6.0	2.3	0.4	0.0	0.0	1
2	0.8	0.8	7.2	3.7	124	34	23	6.0	2.1	0.5	0.0	0.0	2
3	2.3	0.6	29	3.7	103	31	21	6.0	2.3	0.8	0.0	0.0	3
4	1.3	0.8	25	3.4	75	29	18	5.7	2.6	0.9	0.0	0.0	4
5	1.3	0.9	24	3.7	58	27	17	5.7	2.8	0.6	0.0	0.0	5
6	1.3	0.9	9.6	3.4	47	26	16	5.0	3.7	0.3	0.0	0.0	6
7	0.9	0.9	30	3.4	41	26	15	5.0	3.7	0.0	0.0	0.0	7
8	0.9	0.9	13 *	3.7	37	36	14	5.0	2.8	0.0	0.0	0.0	8
9	0.9	1.3	8.6	16	35	29	13	4.6	2.6	0.0	0.0	0.0	9
10	0.9	1.5	6.8	226	37	25	13	4.6	2.3	0.6	0.0	0.0	10
11	1.1	1.3	6.0	38	34	23	12 *	4.6	2.3	0.4	0.0	0.0	11
12	0.9	1.3	5.3	20	29	50	12	5.0	2.1	0.1	0.0	0.0	12
13	0.9	1.5	5.0	18	27	150	11	6.8	2.1	0.0	0.0	0.0	13
14	0.6	3.4	4.6	135	24	119	11	6.8	1.9	0.0	0.0	0.0	14
15	0.6	2.6	4.6	183	21	86	11	5.0	1.7	0.0	0.0	0.0	15
16	0.5	1.9	4.3	68	28	192	11	4.6	1.5	0.0	0.0	0.0	16
17	0.5	1.7 *	4.3	40 *	207	132	10	4.0	1.5 *	0.3	0.0	0.0	17
18	0.5	2.1	5.3	28	128	97	9.6	4.0	1.3	0.0	0.0	0.0	18
19	0.4	13	5.0	21	163 *	72	9.1	4.0	1.3	0.0	0.0	0.0	19
20	0.3	4.6	4.6	16	266	59	9.1	4.3	1.1	0.0	0.3	0.0	20
21	0.8	3.4	4.3	13	229	54 *	8.6	4.3 *	0.9	0.0	1.7	0.0	21
22	0.9	2.8	4.3	11	154	47	8.0	4.6	0.8	0.0	1.7	0.0	22
23	0.9	2.8	4.3	9.6	114	42	8.0	4.6	0.6	0.0	0.8	0.0	23
24	0.8	2.8	4.3	8.6	89	39	8.0	4.3	0.6	0.0	0.5	0.0	24
25	0.9	2.8	4.3	8.0	70	36	8.0	4.0	0.5	0.0	0.1	0.0	25
26	0.9	2.8	4.3	7.6	58	34	7.6	3.7	0.5	0.0	0.2	0.0	26
27	0.8	2.8	4.3	7.2	52	31	6.8	3.4	0.5	0.0	0.1	0.0	27
28	0.8	3.7	4.3	7.2	45	28	6.4	3.1	0.6	0.0	0.0	0.0	28
29	0.8	23	4.0	323	40	26	6.4	2.8	0.5	0.0	0.0	0.0	29
30	0.9	15	4.0	313		25	6.0	2.6	0.3	0.0	0.0	0.0	30
31	0.8		3.7	116		24		2.6		0.0	0.0	0.0	31
MEAN	0.9	3.5	8.4	53.6	82.9	53.7	11.8	4.6	1.7	0.2	0.2	0.0	MEAN
MAX.	2.3	23	30	323	266	192	24	6.8	3.7	0.9	1.7	0.0	MAX.
MIN.	0.3	0.6	3.7	3.4	21	23	6.0	2.6	0.3	0.0	0.0	0.0	MIN.
AC. FT.	53	208	518	3296	4770	3304	701	283	99	10	11	0.0	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
 # - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
18.3	908	4.12	1	29	2130	0.0					13250

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 44 02	121 46 23	NE29 22N 2E	1790	7.17	12-21-64	JAN 59-DATE	DEC 58-DATE	1958		296.00	USED

Station located above diversion dam 500 ft. S of Stilson Road, 3.6 mi. E of Chico. Tributary to Sacramento River. During periods of high water, flow is diverted via Little Chico Creek Diversion, into Butte Creek. Discharge listed does not include this diversion.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02984	CHEROKEE CANAL NEAR RICHVALE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.7	9.3	62	42	62	73	56	49	37	27	41	3.5	1
2	2.7	10	54	42	746	65	60	44	35	29	39	3.7	2
3	2.5	9.3	74	44	358	60	61	39	41	33	40	11	3
4	2.2	13	229	41	54	57	53	36	28	24	41	12	4
5	2.2	8.8	146	41	127	54	50	38	18	26	35	20	5
6	4.0	11	90	41	105	50	47	38	17	30	30	23	6
7	5.1	10	89	41	94	50	45	40	38	28	24	14	7
8	5.9	7.4	90 *	42	83	87	44	41	33	25	14	10	8
9	5.7	5.5	67	46	77	76	42	41	30	23	13	12	9
10	7.4	8.8	58	964	91	69	42	40	21	19	21	17	10
11	8.3	8.8	54	235	84	63	37 *	38	20	18	26	16	11
12	6.9	9.6	48	107	68	62	34 E	66	34 *	22 *	25	15	12
13	6.7	11	45	86	66	1570	36 E	45	31	23	22	12	13
14	6.1	15	44	339	63	527	36 E	41	26	24	19	8.1	14
15	5.5	17	44	1780	55	214	39 E	38	22	25	19 *	8.1	15
16	5.3	20	40	325	58	1000	41 E	30	25	24	18	10 E	16
17	4.4	17 *	43	181	801	522	41	24	26 *	26	20	13	17
18	3.4	16	49	126	388	221	72	20	21	27	25	8.8	18
19	3.2	18	49	103	626	146	89	23	19	32	27	12	19
20	3.4 *	30	44	92	2000 *	125	72	47	17	35	31	9.3	20
21	4.9	27	43	85	1040	109 *	91	47 *	17	33	41	4.9	21
22	4.8	24	42	81	435	98	94	46	26	29	43	3.4	22
23	5.3	24	42	74	262	91	94	61	28	28	38	2.5 *	23
24	4.9	22	42	69	186	88	88	68	23	29	34	2.5	24
25	4.3	23	42	66	144	87	88	66	18	31	42	2.4	25
26	4.8	23	42	64	119	83	75	58	21	32	37	2.2	26
27	7.4	24	42	61	99	72	43	40	20	35	27	2.7	27
28	8.8	29	42	61	85	67	26	35	21	39	13	4.3	28
29	7.1	38	40	383	78	70	54	25	28	36	10	3.8	29
30	9.6	101	40	2400	65	65	107	18	36	39	7.7	1.6	30
31	8.5		44	519	57	57		30		38	4.9		31
MEAN	5.3	19.7	60.6	277	292	193	58.6	41.0	25.9	28.7	26.7	9.0	MEAN
MAX.	9.6	101	229	2400	2000	1570	107	68	41	39	43	23	MAX
MIN.	2.2	5.5	40	41	54	50	26	18	17	18	4.9	1.6	MIN.
AC. FT.	325	1171	3729	17020	16770	11860	3435	2523	1541	1763	1642	533	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN	MAXIMUM					MINIMUM				TOTAL	
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
85.9	4212	9.90	2	20	0200	1.2	1.93	9	30	2400	62360

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. N.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 27 53	121 44 37	NW34 19N 2E	15200 E	13.80	10-13-62	JUL 60-DATE	JUL 60-DATE	1960		88.20	USGS

Station located at Butte City Road Bridge, 2.1 mi. S of Richvale. Backwater from Cherokee Dam weir, 1.05 mi. below station, at times affects the stage-discharge relationship. Weir has 13 bays and is operated by the Richvale Irrigation District.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02967	BUTTE SLOUGH AT OUTFALL GATES

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	121	379	202	0.0	0.0 E	686	0.0	98	0.0	323	418	1
2	0.0	159	340	188	1020	0.0 E	692	0.0	81	0.0	323	418	2
3	0.0	0.0	209	181	0.0	0.0 E	686	0.0	75	0.0	328	423	3
4	0.0	0.0	274	195	0.0	0.0 E	547	34	78	0.0	340	396	4
5	0.0	0.0	0.0	195	0.0	0.0 E	357	83	80	0.0	346	407	5
6	0.0	0.0	0.0	216	440	0.0 E	195	148	89	0.0	328	440	6
7	0.0	0.0	340	230	673	0.0 E	144	354	262	14	316	440	7
8	0.0	0.0	292	311	711	0.0 *	20	444	433	152	304	482	8
9	0.0	0.0	242	385	711	0.0	0.0	476	458	154	304	547	9
10	0.0	0.0	304	522	704	0.0	53	648	508	147 *	223	591	10
11	0.0	0.0	316	0.0	629	0.0	266	691	486	116	202	648	11
12	0.0	0.0	323	0.0	624	311	312	935	420 *	48	195	704	12
13	0.0	0.0	304	413	620	357	376	793	378	0.0	195	730	13
14	0.0	86	280	502	600	311	432	830	367	0.0	216	811	14
15	0.0	298	235 *	0.0	577	0.0	523	893	311	72	262 *	881	15
16	0.0	304	242	0.0	552	0.0	491	943	363	75	374	881	16
17	0.0	223 *	242	0.0	497	0.0	391 *	988	346	82	369	824	17
18	0.0	174	230	0.0 E	0.0	0.0	94	988	320	89	242	679	18
19	0.0	195	248	0.0 E	0.0 E	0.0	22	981	256	95	121	577	19
20	0.0	316	230	0.0 E	0.0 E	624	128	931 *	79	102	352	552	20
21	0.0	262	223	0.0 E	0.0 E	742 *	116	931	0.0	107	577	522	21
22	0.0	209	230	1500	0.0 E	943	104	918	0.0	115	620	471	22
23	104 *	129	216	988	0.0 E	981	65	855	0.0	276	517	385	23
24	121	188	202	881	0.0 E	981	22	773	0.0	262	799	267	24
25	121	195	202	780 *	0.0 E	956	0.0	730	0.0	286	811	223	25
26	129	195	202	704	0.0 E	887	0.0	582	0.0	280	805	242	26
27	136	209	188	642	0.0 E	837	33	500	0.0	274	736	267	27
28	129	242	188	586	0.0 E	654	42	425	0.0	274	673	280	28
29	104	304	188	567	0.0 E	591	18	353	0.0	286	615	280	29
30	121	362	188	0.0	0.0	736	0.0	256	0.0	304	557	292	30
31	67		195	0.0		711		145		316	460		31
MEAN	33.3	139	234	329	288	343	227	569	183	127	414	503	MEAN
MAX.	136	362	379	1500	1020	981	692	988	508	316	811	881	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	121	223	MIN.
AC. FT.	2047	8271	14380	20210	16580	21070	13520	34960	10880	7787	25450	29910	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION  
OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
282											205100

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 11 44	121 56 04	NE35 16N 1W				JUN 24-OCT 31 8 JAN 39-DATE	JUN 24-DATE			0.00	USED

Station located 4.0 mi. E of Colusa, 3.7 mi. N of Meridian. Tributary to Sacramento River. Flow regulated by gravity culverts. During the summer months these flows, together with the flow of Butte Slough at Mawson Bridge and Wadsworth Canal near Sutter are made up almost entirely of return water from lands irrigated by Feather River diversions.

8 - Irrigation season only.



**TABLE B-5 (Cont.)**

**DAILY MEAN DISCHARGE**  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02380	SACRAMENTO RIVER AT MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10800					33800	11900	7910	6440	9010	11000	8540	1
2	10700					31700	11800	7960	6790	9000	11000	8450	2
3	10500					30100	11800	7960	7260	9040	11100	8420	3
4	10400					27100	11700	7980	7260	9310	11200	8440	4
5	10400					23300	11500	8040	7280	9280	11200	8470	5
6	10400					21000	11300	8170	7640	9380	11300	8650	6
7	10300					19700	11100	8320	8210	9610	11300	8790	7
8	10300					18900	10900	8510	8620	9590	11300	8940	8
9	10200					18300	10600	8500	8910	9630	11300	9080	9
10	10100					17800	10200	8590	8930	9580	11300	9230	10
11	10100					17100	9880	8720	8860	9560 *	11200	9370	11
12	10000					16300	9680	8860	8690 *	9540	11300	9530	12
13	9960					16300	9540	9040	8480	9660	11300	9720	13
14	9890					17900	9360	9190	8230	10000	11400	9800	14
15	9820					19100	9120	9480	7980	10100	11400	9980	15
16	9740					18400	8880	9090	7860	10200	11200	10000	16
17	9700					20100	8660	8510	8000	10100	11100	9980	17
18	9650					23500	8460	8270	7910	10200	11100	9820	18
19	9630					19000	8300	8170	7660	10200	11000	9800	19
20	9610					16000 *	8180	8180	7710	10200	10900	9740	20
21	9590					15100	8170	8330	7990	10400	10900	9760	21
22	9590					14200	8350	8440	8010	10500	12000	9770	22
23	9600					13700	8450	8450	7970	10500	11600	9770	23
24	9640					13300	8360	8430	7900	10500	10200	9780	24
25	9680 *					13000	8500	8210	7850	10600	9850	9690	25
26	9700					12900	8350	8040	8010	10600	9710	9650	26
27	9730					12900	8180	8010	8350	10700	9640	9530	27
28	9740					12900	8170	7960	8840	10800	9500	9530	28
29	9740					12600	8130	7730	8960	10900	9280	9500	29
30	9730					12100	8000	6900	8950	10900	8940	9360	30
31	9710					11900		6590		11000	8730		31
MEAN	9956					18390	9517	8275	8052	10020	10780	9370	MEAN
MAX.	10800					33800	11900	9480	8960	11000	12000	10000	MAX.
MIN.	9590					11900	8000	6590	6440	9000	8730	8420	MIN.
AC. FT.	612200					1131000	566300	508800	479100	616000	663000	557500	AC. FT.

**WATER YEAR SUMMARY**

- E - ESTIMATED
- NR - NO RECORD
- \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY
- # - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	ACRE FEET
NR							NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 08 42	121 55 00	SE13 15W 1W		64.4 60.59	3-1-40 1-7-65	MAR 54-OCT 54 JAN 55-DEC 55 MAR 56-DATE 8		1915-DATE		0.00	USED

Station located 190 ft. below Meridian Bridge, State Highway 20, immediately NW of Meridian. Flow computed for irrigation season only.

8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02965	RECLAMATION DISTRICT 70 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	4.4	0.0	0.0	3.9	29	28	0.0	37	26	3.1	26	1
2	0.0	2.9	0.0	0.0	34	29	11	52	37	24	20	28	2
3	0.0	0.0	0.0	0.0	36	30	0.0	43	38	24	17	28	3
4	0.0	0.0	0.0	0.0	9.2	8.8	14	38	41	23	22	27	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41	42	22	27	31	5
6	0.0	3.0	0.0	0.0	0.0	0.0	28	43	41	26	28	45	6
7	0.0	2.9	0.0	0.0	26	24	9.4	43	47	28	23	35	7
8	0.0	2.9	0.0	0.0	37	34	0.0	40	45	28	37	35	8
9	27	2.9	0.0	0.0	11	35	0.0	41	43	28	37	35	9
10	28	2.8	0.0	0.0	0.0	10	0.0	40	43	27	37	62	10
11	0.0	4.3	0.0	0.0	0.0	0.0	7.5	41	41	27	31	88	11
12	0.0	0.0	0.0	0.0	9.5	26	18	39	37	26	25	94	12
13	0.0	2.9	0.0	0.0	27	48	11	39	39	28	27	101	13
14	0.0	2.9	0.0	0.0	38	37	15	40	37	28	25	78	14
15	0.0	4.3	0.0	27	11	36	15	67	38	43	26	101	15
16	0.0	1.4	0.0	8.8	0.0	35	21	58	39	16	23	44	16
17	0.0	2.8	0.0	0.0	0.0	35	62	42	39	12	23	43	17
18	0.0	2.8	0.0	0.0	24	35	39	43	38	11	25	39	18
19	0.0	0.0	0.0	0.0	31	33	39	45	38	19	23	39	19
20	0.0	4.4	0.0	0.0	32	34	31	45	34	13	73	39	20
21	0.0	2.8	0.0	0.0	51	36	39	45	35	21	81	50	21
22	0.0	2.8	0.0	0.0	48	37	39	44	35	16	82	39	22
23	0.0	0.0	0.0	0.0	50	37	39	63	32	23	82	39	23
24	37	0.0	0.0	0.0	36	13	39	45	32	28	56	39	24
25	18	0.0	0.0	0.0	28	0.0	39	44	19	20	68	16	25
26	0.0	0.0	0.0	0.0	28	27	59	43	15	22	38	28	26
27	15	0.0	0.0	0.0	28	39	50	41	26	28	36	27	27
28	0.0	0.0	0.0	0.0	28	11	34	39	32	25	33	0.0	28
29	0.0	0.0	0.0	28	28	27	18	35	32	27	36	0.0	29
30	4.4	0.0	0.0	38	39	39	0.0	35	30	20	33	0.0	30
31	5.9	0.0	0.0	21	39	39	37	37	24	39	39	0.0	31
MEAN	4.4	1.8	0.0	4.0	22.6	26.6	23.5	42.3	36.1	23.6	36.6	41.9	MEAN
MAX.	37	4.4	0.0	38	51	48	62	67	47	43	82	101	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15	11	3.1	0.0	MIN.
AC. FT.	268	106	0.0	244	1298	1634	1398	2600	2146	1454	2253	2491	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION  
OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
22.0	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	15890

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 04 08	121 51 43	NEL6 14N 1E				MAY 24-OCT 38 8					
Plant located 1.7 mi. E of Grimes. This is drainage returned by pumping and gravity. Plant also discharges to irrigation canals. 8 - Irrigation season only.											



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02960	TISDALE WEIR SPILL TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	2130	9420 *	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	7230	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	5660	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	1280	3980	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	99	1220	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	6420 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	6360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	1610	722	385	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	4180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	2720	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	8630	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	12000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	11600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	12300 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	13000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	13400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	13000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	12200 *	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	11200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	5010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	630	4085	900	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	6420	13400	9420	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	38750	235000	55330	0.0	0.0	0.0	0.0	0.0	0.0	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 # - E AND \*

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
453											329000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 01 36	121 49 16	NE35 14N 1E	25700	53.3	3-1-40	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located west of north end of weir, 5.0 mi. SE of Grimes. See Sacramento River at Tisdale Weir for stage records. Elevation of weir crest is 45.45 ft. USED datum; length of crest is 1,155 ft. Backwater from Sutter Bypass at times affects stage-discharge relationship.

# - Flood season only.

TABLE B-5 (Cont.)

**DAILY MEAN DISCHARGE**  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02250	SACRAMENTO RIVER ABOVE RECLAMATION DISTRICT 108 PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10200					25800	10800	5910	5040	7630	9520	7290	1
2	9890					25500	10900	5890	5060	7670	9540	7140	2
3	9820					25200	11000	5920	5480	7570	9560	7090	3
4	9860					24600	10900	5860	5620	7930	9700	7130	4
5	10200					23800	10100	6080	5510	8070	9690	7210	5
6	10000					22400	9530	6070	5810	8010	9560	7400	6
7	9780					21300	9310	6400	6350	8410	9730	7660	7
8	9790					20400	8810	6720	6880	8400	9740	8020	8
9	9710					19700	8190	6750	7470	8490	9690	8160	9
10	9720					19300	7650	6920	7430	8510	9740	8400	10
11	9700	N	N	N	N	18700	7630	7360	7400	8510	9730	8570	11
12	9750	O	O	O	O	17800	7710	7830	7240	8520 *	9580	8750	12
13	9620	T	T	T	T	17500	7570	7960	7070	8520	9640	9120	13
14	9630					18400	7530	8130	6820	8950	9730 *	9120	14
15	9510	C	C	C	C	20200	7060	8420	6560	8980	9770	9820	15
16	9530	M	M	M	M	20000	6780 *	8450	6410	9100	9680	9640	16
17	9550	P	P	P	P	20200	6380	7890	6410 *	9040	9390	9660	17
18	9590	U	U	U	U	24100	6060	7440	6350	9100	9190	9520	18
19	9520	T	T	T	T	21400	5850	7230	6210	9090	8690	9570	19
20	9500	E	E	E	E	17800 *	5780	7020	6000	9030	8670	9380	20
21	9590	D	D	D	D	15800	6050	7150	6290	9230	9210	9510	21
22	9660					14700	6300	7350	6400	9160	9970	9540	22
23	9700					13800	6430	7430	6430	9190	10300	9560	23
24	9780					13200	6390	7300 *	6300	9120	8850	9640	24
25	9790					12600	6450	7070	6310	9200	8450	9420	25
26	9780 *					12300	6540	6910	6350	9270	8240	9400	26
27	9890					12300	6360	6540	6660	9290	8140	9350	27
28	9910					12100	6390	6320	7280	9630	8050	9250	28
29	9810					11400	6160	6030	7500	9360	7920	9360	29
30	9840					11000	6040	5640	7680	9520	7670	9080	30
31	9750					11000		5340		9510	8300		31
MEAN	9750					18200	7620	6880	6480	8770	9210	8760	MEAN
MAX.	10200					25800	11000	8450	7680	9630	10300	9820	MAX.
MIN.	9500					11000	5780	5340	5040	7570	7670	7090	MIN.
AC. FT.	599700					1119000	453500	423100	385400	539500	566600	521200	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE NR	MAXIMUM					MINIMUM					TOTAL ACRE FEET NR
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 52 58	121 48 59	SW13 12N 1E				MAR 55-DATE †	FEB 55-DEC 55 FEB 56-MAY 59 NOV 59-DATE				

Station located below Tyndall Landing, 2.5 mi. NW of Reclamation District 108 drainage pumping plant, 6.2 mi. W of Robbins. Flow computed for irrigation season only and should not be considered to have the same degree of accuracy as other records published in this report.

† - Irrigation season only.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02933	RECLAMATION DISTRICT 108 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	79	0.0	0.0	0.0	87	82	0.0	172	242	210	312	421	1
2	0.0	94	78	0.0	112	82	0.0	193	298	251	312	373	2
3	76	0.0	0.0	0.0	89	56	0.0	232	230	257	312	368	3
4	0.0	0.0	0.0	0.0	96	85	0.0	210	248	257	422	395	4
5	0.0	0.0	0.0	0.0	88	84	101	457	275	283	312	406	5
6	91	0.0	0.0	0.0	43	69	0.0	365	261	258	312	420	6
7	0.0	0.0	0.0	95	90	71	134	352	280	361	312	413	7
8	66	0.0	98	0.0	46	45	0.0	369	261	289	312	598	8
9	0.0	0.0	0.0	0.0	47	0.0	0.0	411	469	299	362	452	9
10	0.0	108	0.0	0.0	75	112	0.0	465	289	315	365	465	10
11	0.0	0.0	0.0	0.0	0.0	66	0.0	442	299	334	442	465	11
12	94	0.0	0.0	0.0	96	77	0.0	692	292	323	312	465	12
13	0.0	0.0	0.0	0.0	0.0	90	153	465	307	257	312	301	13
14	115	0.0	0.0	89	95	89	49	455	314	403	312	378	14
15	0.0	0.0	82	0.0	0.0	78	0.0	458	307	275	361	547	15
16	76	0.0	0.0	0.0	84	89	0.0	454	337	273	363	307	16
17	0.0	0.0	0.0	78	0.0	65	0.0	458	271	296	363	259	17
18	90	0.0	0.0	0.0	123	121	157	414	262	313	401	240	18
19	0.0	77	0.0	0.0	114	90	157	504	312	320	363	154	19
20	0.0	0.0	0.0	76	126	60	103	426	280	304	363	154	20
21	0.0	0.0	0.0	15	138	47	167	436	283	351	339	232	21
22	108	0.0	0.0	0.0	124	84	116	442	261	275	407	77	22
23	0.0	0.0	72	0.0	112	0.0	123	455	373	253	357	125	23
24	0.0	0.0	0.0	0.0	106	88	165	439	261	290	363	83	24
25	0.0	0.0	0.0	0.0	66	0.0	220	420	271	323	468	0.0	25
26	0.0	74	0.0	91	114	0.0	250	548	271	350	360	81	26
27	0.0	0.0	0.0	0.0	103	0.0	206	381	261	309	363	154 *	27
28	93	0.0	0.0	59	82	0.0	297	358	291	518	363	0.0	28
29	0.0	0.0	63	0.0	82	0.0	94	342	261	291	363	77	29
30	0.0	0.0	0.0	184	0.0	100	145	258	340	312	317	0.0	30
31	0.0	0.0	0.0	137	0.0	145	0.0	322	0.0	312	317	0.0	31
MEAN	28.6	11.8	12.7	26.6	80.6	63.7	87.9	400	290	305	353	280	MEAN
MAX.	115	108	98	184	138	145	297	692	469	518	468	598	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172	230	210	312	0.0	MIN.
AC. FT.	1761	700	780	1634	4637	3917	5230	24590	17270	18770	21700	16680	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE.	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
162	NR					NR					117700

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 51 45	121 47 29	NE30 12N 2E				APR 24-OCT 38 †					
						JAN 39-DATE					

Plant located 4.5 mi. E of Robbins. This is drainage returned by pumping. Pumping hours vary and figures shown are not necessarily daily flows. See Sacramento River near Rough and Ready Bend for river stages. Additional water is sometimes returned to Colusa Basin Drain.

‡ - Irrigation season only.

TABLE B-5 (Cont.)

**DAILY MEAN DISCHARGE**  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02955	RECLAMATION DISTRICT 787 DRAINAGE TO SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	1.6	1.5	4.2	12.9	14.6	19.4	11.3	30.4	26.4	30.4	37.6	22.2	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.	99	90	260	792	837	1190	673	1870	1570	1870	2310	1320	AC. FT.

RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
17.7	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	12880

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 50 47	121 43 46	NE34 12N 2E				MAY 49-DATE					

Plant located 2.1 mi. SW of Robbins. This is drainage returned by pumping. Daily distribution of flows is not available since the plant operated on an automatic float switch. Additional water returned to Colusa Basin Drain.



TABLE B-5 (Cont.)

**DAILY MEAN DISCHARGE**  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02976	COLUSA BASIN DRAIN AT HIGHWAY 20

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	314	346	572	86	2820	540	393	466	382	245	863	783	1
2	308	352	595	89	2860	485	481	646	308	264	886	799	2
3	312	317	557	91	3040	430	424	802	219	319	918	896	3
4	314	323	583	86	2600	386	274	920	257	395	896	990	4
5	276	359	515	86	1970	354	412	1060	316	441	902	1100	5
6	258	363	371	86	1390	306	454	1200	504	483	882	1210	6
7	253	359	346	118	1000	293	420	1250	857	448	857	1290	7
8	238	367	333	194	730	333	424	1330	982	447	863	1360	8
9	236	409	285	245	602	314	253	1370	926	448	843	1370	9
10	220	466	241	312	544	257	179	1370	886	473 *	849	1440	10
11	217	447	211	327	488	230	84	1340	791	506	851	1430	11
12	217	424	207	236	439	230	110	1400	654	540	880	1370	12
13	217	466	179	234	393	365	135	1450	517	555	916	1330	13
14	245	498	146	375	382	336	78	1500	462 *	604	950	1160	14
15	276	490	144 *	853	346	268	80	1470	348	604	1020 *	1110	15
16	268	494	146	732	375	466	158 *	1320	296	599	1050	970	16
17	257	502 *	129	542	1560	554	164	1090 *	386	623	1090	767	17
18	255	526	133	435	2170	352	228	958	380	620	1080	614	18
19	245	492	139	378	2020	266	106	944	363	621	1100	570	19
20	247	460	120	323	2610	222	116	1102	338	600	1130	534	20
21	278	448	129	295	2820	202 *	258	1220	306	597	1460	492	21
22	338	441	116	255	2780	188	226	1218	352	591	1650	447	22
23	355 *	410	97	229	2650	173	86	1100	317	591	1660	382	23
24	344	399	101	198 *	2340	160	133	1012	291	627	1590	334	24
25	325	376	110	188	1780	150	338	954	317	675	1450	310	25
26	338	357	110	165	1300 *	143	450	928	293	709	1310	325 *	26
27	308	340	108	162	992	129	469	806	296	750	1210	321	27
28	289	350	91	150	756	120	323	820	285	783	1150	321	28
29	331	354	89	590	608	137	169	707	346	779	996	306	29
30	374	458	78	2320		323	253	696	241	777	892	306	30
31	333		80	2900		378		388		808	824		31
MEAN	283	413	228	428	1530	293	256	1059	441	565	1036	821	MEAN
MAX.	374	526	595	2900	3040	554	481	1500	982	808	1660	1440	MAX.
MIN.	217	317	78	86	346	120	78	388	219	245	824	306	MIN.
AC. FT.	17430	24580	14010	26340	88000	18030	15230	65130	26210	34750	63710	48870	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
609	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	442800
	3120	49.20	2 3 0400	68	37.70	12 31 0300	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 11 44	122 03 34	NE34 16N 2W	3140	51.93 49.38	2-21-58 1- 8-65	JUN 24-DEC 40 8 MAY 41-DATE	JUN 24-DEC 40 8 MAY 41-DATE	1957	1957	37.09 0.00	USED USED

Station located at State Highway 20 bridge, 3.0 mi. W of Colusa. Flow is return water in main drain of Reclamation District 2047, drainage chiefly from irrigation districts.

8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02945	COLUSA BASIN DRAIN AT KNIGHTS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	252	282	432	110	0.0	0.0	292	0.0	61	0.0	572	689	1
2	224	251	503	125	0.0	0.0	360	0.0	4 E	0.0	676	726	2
3	260	253	530	145	440	0.0	372	210	0.0	0.0	748	778	3
4	248	348	538	150	0.0	0.0	296	514	0.0	0.0	740	913	4
5	320	310	194	108	0.0	0.0	268	709	0.0	0.0	741	1060	5
6	468	316	217	0.0	168	0.0	372	935	22	52	763	1280	6
7	432	329	233	0.0	688	0.0	436	1020	432	78	778	1360	7
8	376	326	266	0.0	714	0.0	396	1140	998	84	706	1510	8
9	317	329	183	0.0	660	0.0	252	1260	936	84	726	1600	9
10	202	348	236	246	600	0.0	228	1390	789	132	706	1710	10
11	159	378	218	793 E	652	0.0	60	1370	705	132	666	1790	11
12	153	375	226	0.0	660	0.0	NR	1350	546	180 *	706	1770	12
13	213	358	210	0.0	652	0.0	NR	1600	388	228	742	1770	13
14	221	397	203	740	600	0.0	NR	1650	296 *	296	778	1610	14
15	204	441	171	0.0	590	0.0	NR	1720	180	340	790	1340	15
16	223	459	161	0.0	626	0.0	NR	1690	16	320	918 *	1200	16
17	222	459	128	0.0	696	0.0	NR	1360	10	320	962	1050	17
18	223	450	154	0.0	0.0	0.0	NR	987	84	340	994	802	18
19	222	459	154 *	0.0	0.0	0.0	NR	855	27	320	997	636 *	19
20	228	503 *	138	0.0	0.0	0.0	NR	907	21	296	998	622	20
21	232	494	146	0.0	0.0	0.0	NR	1140	5 E	276	1210	480	21
22	216	468	160	670	0.0	256	NR	1190	0.0	276	1660	500	22
23	273	442	155	670	0.0	572	NR	1150 *	7	204	1630	400 E	23
24	286	423	142	319	0.0	572	NR	985	4 E	228	1800	340 E	24
25	284	406	149	264	0.0	442	NR	916	0.0	296	1740	320 E	25
26	272 *	379	162	242	0.0	302	NR	820	0.0	340	1560	296 E	26
27	278	353	154	212	0.0	145	437	751	16	380	1360	320 E	27
28	245	336	149	164	0.0	0.0	252	557	0.0	444	1210	276 E	28
29	260	327	121	169	0.0	11	0.0	270	65	572	1040	228 E	29
30	293	371	115	0.0	133	133	0.0	296	23	500	866	252 E	30
31	328		124	0.0	260	260		104		460	772		31
MEAN	262	379	215	165	267	87	NR	931	188	232	986	921	MEAN
MAX.	468	503	538	793	714	572	NR	1720	998	572	1800	1790	MAX.
MIN.	153	251	115	0.0	0.0	0.0	0.0	0.0	0.0	0.0	572	228	MIN.
AC. FT.	16130	22550	13230	10170	15360	5341	NR	57210	11170	14240	60600	54800	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
/ - E AND '

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL		
NR	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
											NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 47 58	121 43 27	SW14 11N 2E		36.8	2-10-42	MAY 24-OCT 39 8 JAN 40-DATE	MAY 24-OCT 39 8 JAN 40-DATE	1924		0.00	USED

Station located at Knights Landing Outfall Gates, 0.3 mi. W of Knights Landing. Tributary to Sacramento River. Flow regulated by outfall gates. An undetermined amount of flow is diverted to Yolo Bypass via Ridge Cut at Knights Landing. For total flow to Sacramento River, combine with the flows of Reclamation District 787 to Colusa Basin Drain.

8 - Irrigation season only.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02950	RECLAMATION DISTRICT 787 DRAINAGE TO COLUSA BASIN DRAIN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.8	38.7	19.7	15.2	11.1	MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2140	2300	1210	932	661	AC. FT.

RECORDS SUFFICIENT TO COMPUTE ONLY MONTHLY FLOWS

WATER YEAR SUMMARY

- E - ESTIMATED
- NR - NO RECORD
- \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY
- # - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
10.0	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	7243

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 48 03	121 43 28	NW14 11N 2E				JAN 40-DATE					

Plant located 0.3 mi. W of Knights Landing. This is drainage returned by pumping between Knights Landing Outfall Gates and Sacramento River. Daily distribution of flows is not available since the plant operates on an automatic float switch. Additional water returned to Sacramento River.

TABLE B-5 (Cont.)

**DAILY MEAN DISCHARGE**  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02930	FREMONT WEIR SPILL TO YOLO BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

DAILY FLOWS UNAVAILABLE AT TIME OF PUBLICATION. TO BE PUBLISHED IN BULLETIN NO. 130-69.

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 / - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
			294,000		12-23-1955	JAN 1935-DATE					

See Sacramento River at Fremont Weir, East End, and Sacramento River at Fremont Weir, West End, for stage records and locations. Elevation of weir crest is 33.50 feet, USED datum; length of crest is 9,120 feet.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02972	BUTTE SLOUGH NEAR MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	266	218	178	245	2890	25300	498	301	191	242	335	191	1
2	258	220	212	236	2960	19800	471	333	190	230	337	187	2
3	221	199	203	210	3090	14700	457	337	208	210	342	189	3
4	239	155	303	196	3260	10600	413	355	232	274	364	182	4
5	263	143	475	191	3280	7200	353	365	244	295	371	181	5
6	255	138	602	191	2850	5090	300	356	301	301	371	194	6
7	247	113	539	179	2070	3720	267	337	379	317	372	210	7
8	238	99	496	176	1520	2890	231	320	313	288	364	227	8
9	234	96	587	188	1270	2270	188	355	364	204	353	250	9
10	234	98	431	231	1080	1840	173	376	417	203 *	326	268	10
11	228	97	352	767	1010	1520	232	355	400	189	301	289	11
12	222	96	317	1110	927	1420	257	401	320 *	191	301	319	12
13	216	96	295	765	842	1420	301	371	236	267	313	344	13
14	212	98	273	508	763	1490	344	390	195	313	328	377	14
15	201	108	259 *	741	708	1650	331	394 E	186	289	347 *	418	15
16	201	129	264	1540	661	1810	244	386 E	240	240	355	427	16
17	205	132 *	265	7040	704	1940	183	384 E	248	248	351	409	17
18	204	124	262	7600	1210	2180	179	384 E	201	268	328	349	18
19	208	123	263	5090	1460	2300	302 *	390 E	174	278	293	317	19
20	210	132	253	2990	1840	1910	349	392 #	196	278	319	296	20
21	211	134	249	1710	4000	1480	291	395	263	306	389	286	21
22	211	130	243	1150	16800	1270 *	242	406	215	320	512	272	22
23	219 *	120	237	889	21400	1100	219	392	193	308	487	248	23
24	226	121	229	734 *	23000	989	215	384	208	265	405	214	24
25	228	124	228	620	25000	884	244	386	203	278	362	198	25
26	229	123	227	536	28100	820	313	344	189	284	351	198 *	26
27	231	122	221	475	31300 *	750	347	378	175	286	324	194	27
28	230	126	232	422	31400	654	326	335	191	304	288	194	28
29	225	131	246	395	29600	594	280	301	267	306	272	196	29
30	225	147	251	812		577	274	244	268	311	260	186	30
31	219		250	1600		534		208		320	219		31
MEAN	226	130	305	1275	8448	3894	294	357	247	271	343	260	MEAN
MAX.	266	220	602	7600	31400	25300	498	406	417	320	512	427	MAX.
MIN.	201	96	178	176	661	534	173	208	174	189	219	181	MIN.
AC. FT.	13920	7720	18730	78420	485900	239400	17500	21930	14690	16690	21100	15490	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION  
OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	
1311	32100	54.97	2 27 2115	96	39.90	11 9 0715	951500

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 10 05	121 53 28	NE7 15N 1E				JAN 39-DATE	NOV 34-MAY 37 #	1934		0.00	USED

Station located on right bank .5 mi. upstream from Farmland Road 1.7 mi. NE of Meridian. Tributary to Sutter Bypass. Flow affected by gate operation. Flow during summer months is made up almost entirely of return water from land irrigated by Feather River diversions. During flood periods, Sacramento River water enters Butte Basin above Butte City from bank spill and spill over Moulton and Colusa Weirs.

# - Flood season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A05929	WADSWORTH CANAL NEAR SUTTER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	155	39	39	29	101	134	56	70	63	32	102	119	1
2	185	34	35	31	250	95	62	60	75	33	94	127	2
3	191	22	35	30	175	133	75	47	78	36	94	142	3
4	195	27	45	31	110	81	86	81	79	52	109	182	4
5	196	24	45	28	89	64	92	110	92	75	104	231	5
6	202	28	41	30	78	50	94	132	126	63	94	263	6
7	202	23	44	32	71	65	97	115	220	54	101	262	7
8	192	24	42	35	66	62	89	159	210	69	114	270	8
9	185	23	41	26	62	58	99	207	200	81	91	270	9
10	170	23	37	26	61	53	105	194	179	80	89	250	10
11	167	22	36	26	62	49	83	166	153	79	81	264	11
12	174	22	37	25	60	52	81	180	160	75	95	269	12
13	168	20	32	23	59	136	88	202	134	94	91	215	13
14	168	22	29	24	58	104	116	194	125	93	92 *	228	14
15	172	21	28	64	57 *	98	109	172	85	95	111	220	15
16	155	21	28	52 *	60	238	80	179	64	69	119	233	16
17	102	22	28	45	147	205	28	183	74	57	129	190	17
18	108	21	34	33	127	129	44	166	71	51	140	200	18
19	137 *	28	34	34	167	105	75	169	62	62	141	198	19
20	146	40	34 *	33	366	86	42	171	39	67	184	215	20
21	171	32	33	32	327	75	85	178	43	64	206	200	21
22	177	27	28	31	226	79	94	182	54	71	176	165	22
23	171	25	29	29	161	79	90	180	59	46	181	141	23
24	154	23	29	29	148	75	99	185	45	60	183	129	24
25	170	20	28	28	136	72	92	187	18	58 *	175	135	25
26	187	18	29	27	138	61	107	198	16	70	159	139 *	26
27	169	19 *	30	27	140	53 *	113	187	37	77	137	132	27
28	92	22	30	26	142	58	73	139 *	22 *	86	136	133	28
29	52	33	29	41	137	56	31 *	122	80	85	121	132	29
30	43	41	31	313		54	39	98	40	89	108	153	30
31	47		30	185		54		79		92	108		31
MEAN	155	25.5	33.9	46.0	130	87.5	80.8	151	90.1	68.2	125	194	MEAN
MAX.	202	41	45	313	366	238	116	207	220	95	206	270	MAX.
MIN.	43	18	28	23	57	49	28	47	16	32	81	119	MIN.
AC. FT.	9527	1519	2083	2826	7500	5381	4808	9306	5361	4195	7666	11520	AC. FT.

WATER YEAR SUMMARY

- E - ESTIMATED
- NR - NO RECORD
- \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY
- # - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
98.9											71690

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 09 12	121 44 00	NEL5 15N 2E		51.19	12-25-64	MAR 61-DATE	MAR 61-DATE	1961		0.00	USED

Station located at South Butte Road Bridge, 0.9 mi. E of Sutter. Tributary to Sutter Bypass. This station and one 2.2 mi. downstream are used to determine the slope for rating of canal. This flow and flow of Butte Slough to Sutter Bypass make up entire Feather River contribution to the Sutter Bypass. Prior records, January 1939 to March 1961, available at a site approximately 0.3 mi. upstream.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A05921	STATE PUMPING PLANT #2 DRAINAGE TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	39	0.0	30	6.9	33	89	0.0	42	163	102	140	134	1
2	37	0.0	4.8	9.0	63	45	13	75	173	109	137	189	2
3	33	0.0	6.9	16	70	43	31	124	170	101	147	224	3
4	25	0.0	19	18	61	68	33	141	179	104	146	235	4
5	16	2.6	15	14	49	45	37	164	180	108	160	239	5
6	13	0.0	30	14	53	42	43	200	180	126	181	256	6
7	16	0.0	29	11	0.0	40	37	206	212	134	193	272	7
8	18	0.0	39	46	0.0	44	40	192	248	97	203	257	8
9	19	2.6	13	84	15	40	43	203	220	90	202	246	9
10	17	4.8	6.9	66	0.0	0.0	24	225	225	93	196	232	10
11	15	2.6	16	41	0.0	0.0	20	242	210	96	190	211	11
12	15	2.6	16	9.4	22	33	31	231	168	103	180	171	12
13	16	0.0	0.0	26	56	65	40	215	152	108	174	163	13
14	15	0.0	0.0	74	59	54	33	239	132	109	178	148	14
15	12	0.0	11	99	68	56	29	221	128	113	184	154	15
16	16	4.8	9.0	4.0	58	56	52	205	119	133	186	134	16
17	16	4.8	9.0	0.0	39	45	56	230	136	155	186	103	17
18	19	2.6	4.8	0.0	42	80	59	243	147	150	188	71	18
19	16	4.8	2.6	0.0	0.0	36	54	241	142	144	198	69	19
20	16	0.0	9.0	0.0	95	46	54	245	147	154	211	66	20
21	16	0.0	6.9	0.0	95	42	48	255 *	144	147	199	51	21
22	18	0.0	0.0	0.0	98	40	34	243	138	152	214	42	22
23	16	0.0	0.0	0.0	170	26	54	224	138	155	210	24	23
24	14	0.0	11	0.0	98	36	59	215	136	143	217	18	24
25	13	0.0	11	35	102	34	60	210	130	135	227	35	25
26	14	0.0	13	40	99	66	93	200	117	138	232	43	26
27	2.6	0.0	18	28	80	55	151	184	110	146	257	36	27
28	13	0.0	13	23	93	52	112	139	114	147	215 *	40	28
29	18	0.0	11	19	93	78	64	115	115	148	182	40	29
30	14	23	6.9	0.0	0.0	43	34	160	104	139	179	40	30
31	0.0	6.9	6.9	0.0	20	20	20	160	139	147	147	40	31
MEAN	17.0	1.8	11.9	22.0	59.0	45.8	47.9	193	156	126	189	131	MEAN
MAX.	39	23	39	99	170	89	151	255	248	155	257	272	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42	104	90	137	18	MIN.
AC. FT.	1046	109	731	1355	3394	2815	2852	11880	9277	7771	11620	7821	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
83.4											60670

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 01 34	121 43 32	SW26 14N 2E									
						MAY 67-DATE					

Plant located on east levee at west end of O'Banion Road, 9.8 mi. SW of Yuba City. This is drainage returned by pumping and gravity.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A05922	RECLAMATION DISTRICT 1660 DRAINAGE TO SUTTER BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	5.5	1
2	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	2
3	9.7	0.0	0.0	0.0	0.0	0.0	0.0	43	14	0.0	0.0	5.9	3
4	11	0.0	0.0	0.0	0.0	0.0	0.0	18	0.0	0.0	0.0	5.8	4
5	12	0.0	0.0	0.0	0.0	0.0	0.0	35	9.4	0.0	0.0	5.7	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	8.1	0.0	0.0	5.6	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	35	0.0	0.0	5.7	7
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	33	0.0	0.0	5.6	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	25	0.0	0.0	27	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	30	0.0	0.0	22	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	18	0.0	0.0	21	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	18	0.0	0.0	19	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	11	0.0	0.0	18	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	13	0.0	0.0	17	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	8.5	0.0	0.0	10	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57	8.8	0.0	0.0	9.4	16
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	7.9	0.0	0.0	8.2	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	7.3	0.0	0.0	15	18
19	10.	0.0	0.0	0.0	0.0	0.0	0.0	56	6.0	0.0	0.0	8.4	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45	6.4	0.0	0.0	4.6	20
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29	6.1	0.0	0.0	3.6	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38	6.6	0.0	14	4.5	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	6.5	0.0	3.5	5.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17	4.5	0.0	7.7	2.1	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19	4.7	0.0	4.3	1.6	25
26	0.0	0.0	0.0	0.0	0.0	0.0	17	31	3.2	0.0	5.2	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	5.5	29	3.4	0.0	11	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	7.3	18	4.7	0.0	6.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	0.0	1.4	16	3.4	0.0	6.1	0.0	29
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23	2.8	0.0	6.0	0.0	30
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22	0.0	0.0	5.6	0.0	31
MEAN	1.6	0.0	0.0	0.0	0.0	0.0	1.0	26.5	10.3	0.0	2.2	8.1	MEAN
MAX.	12	0.0	0.0	0.0	0.0	0.0	17	57	35	0.0	14	27	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	101	0.0	0.0	0.0	0.0	0.0	62	1628	614	0.0	138	480	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
4.1	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	3023

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 01 57	121 44 33	NW27 14N 2E				MAY 54-DATE				0.00	USED

Plant located 9.9 mi. SW of Yuba City, 815 mi. E of Grimes. This is drainage returned by gravity.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02963	RECLAMATION DISTRICT 1660 - DRAINAGE TO TISDALE BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17	16	18	21	52	85	18	15	34	25	41	34	1
2	12	16	18	21	55	70	19	31	34	7.3	41	22	2
3	14	15	18	21	53	63	20	61	46	7.4	42	45	3
4	5.4	15	21	22	66	56	20	19	34	16	41	34	4
5	3.3	15	22	21	45	47	15	36	50	16	41	42	5
6	7.8	15	18	22	46	51	8.5	33	51	28	34	28	6
7	7.1	15	20	21	44	41	15	17	63	27	35	45	7
8	16	15	21	20	41	49	9.0	18	52	35	34	32	8
9	16	14	23	21	34	35	9.5	20	54	23	34	50	9
10	15	14	21	24	32	38	9.6	31	53	31	34	61	10
11	16	14	22	22	38	29	9.8	40	53	23	38	55	11
12	15	14	21	17	23	21	9.7	28	56	27	37	50	12
13	15	14	20	0.0	0.0	22	9.9	40	38	23	38	48	13
14	15	15	14	0.0	25	29	11	52	53	24	38	45	14
15	14	14	17	27	28	43	18	46	42	24	38	42	15
16	14	14	22	29	31	47	10	56	45	24	38	37	16
17	19	14	21	24	29	50	11	34	44	28	37	35	17
18	16	14	22	18	36	51	4.5	26	44	23	37	32	18
19	15	15	22	20	60	49	3.5	61	45	28	44	30	19
20	15	15	22	24	67	37	6.8	41	45	27	54	29	20
21	15	14	22	21	76	41	6.4	44	34	27	63	26	21
22	15	14	21	13	94	35	3.4	56	46	27	60	24	22
23	15	14	21	22	92	29	0.0	53	36	31	45	25	23
24	18	14	19	16	83	25	0.0	26	41	35	56	38	24
25	16	14	22	0.0	90	27	36	56	23	45	27	38	25
26	16	14	21	24	88	26	64	46	12	34	53	35	26
27	16	14	21	29	86	0.0	17	56	19	31	34 *	33	27
28	15	15	21	28	75	30	28	55	16	35	33	31	28
29	15	14	20	25	70	28	11	43	24	35	34	28	29
30	15	20	21	34		30	15	45	6.5	43	30	30	30
31	16		21	66		23		43		34	30		31
MEAN	14.2	14.7	20.4	21.7	53.8	38.9	14.0	39.6	39.8	27.2	40.0	36.8	MEAN
MAX.	19	20	23	66	94	85	64	61	63	45	63	61	MAX.
MIN.	3.3	14	14	0.0	0.0	0.0	0.0	15	6.5	7.3	27	22	MIN.
AC. FT.	872	873	1256	1335	3093	2394	830	2436	2367	1673	2461	2190	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
 # - E AND \*

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
30.1											21780

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 01 44	121 46 53	SE30 14N 2E				JAN 25-DATE					

Plant located on north levee of Tisdale Bypass, 2.1 mi. E of Tisdale Weir, 6.8 mi. SE of Grimes. This is drainage returned by pumping and gravity.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02926	RECLAMATION DISTRICT 1500 DRAINAGE TO SACRAMENTO SLOUGH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	82	30	24	18	148	237	83	117	136	120	265	290	1
2	61	30	24	18	172	237	75	155	134	130	259	266	2
3	71	24	18	16	157	213	63	226	118	134	257	264	3
4	71	27	33	16	157	202	61	347	147	143	266	331	4
5	71	27	32	16	157	186	63	313	156	157	302	485	5
6	71	27	26	16	141	172	61	369	169	161	315	441	6
7	61	24	25	16	135	166	66	383	397	149	282	407	7
8	71	24	26	16	119	151	76	297	404	136	286	372	8
9	263	24	23	18	64	141	0.0	297	378	144	279	320	9
10	111	24	23	18	100	129	0.0	247	235	146	284	410	10
11	88	24	24	52	100	107	49	297	170	149	290	402	11
12	8.1	24	24	25	101	191	221	322	166	147	284	429	12
13	32	24	24	19	182	207	97	297	151	141	253	448	13
14	0.0	24	24	26	182	174	97	235	144	156	314	461	14
15	0.0	24	24	53	174	158	0.0	297	154	164	330	379	15
16	0.0	24	18	67	78	249	0.0	297	151	162	350	242	16
17	0.0	24	18	55	92	261	58	297	134	168	370	273	17
18	0.0	24	18	55	140	239	40	276	123	172	370	237	18
19	33	24	21	61	231	223	47	266	120	185	386	200	19
20	172	24	18	51	248	172	54	284	122	187	454	171	20
21	45	24	21	59	244	150	57	297	132	194	398	159	21
22	49	24	18	44	386	119	55	326	124	185	338	63	22
23	49	24	18	41	236	124	50	288	128	176	424	93	23
24	41	24	18	20	237	121	51	198	138	175	363	104	24
25	35	24	18	43	330	194	54	241	132	180	404	116	25
26	30	24	18	38	229	110	232	214	145	197	330	146	26
27	27	24	18	38	233	82	273	206	120	200	297	103	27
28	33	24	18	28	235	30	180	260	112	249	150	91	28
29	36	24	18	40	237	32	128	236	123	248	264	100	29
30	27	30	18	328	75	75	116	143	116	258	245	61	30
31	24		18	172	67	67		104		268	245		31
MEAN	53.6	24.9	21.5	47.8	181	159	80.2	262	166	174	311	262	MEAN
MAX.	263	30	33	328	386	261	273	383	404	268	454	485	MAX.
MIN.	0.0	24	18	16	64	30	0.0	104	112	120	150	61	MIN.
AC. FT.	3297	1482	1325	2941	10400	9757	4774	16130	9876	10670	19150	15600	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
145											105400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 47 05	121 39 18	NE20 11N 3E				APR 30-OCT 38 8					
Plant located on west levee of Sutter Bypass, 3.7 mi. SE of Knights Landing. This is drainage returned by pumping and gravity. † - Irrigation season only.											



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02925	SACRAMENTO SLOUGH AT SACRAMENTO RIVER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	645	243	238	296	NR	F	771	385	559	364	716	870	1
2	629	311	238	273	NR	F	833	420	471	387	689	797	2
3	628	323	261	285	NR	F	815	505	419	361	687	781	3
4	638	327	275	426	NR	F	790	593	547	323	710	868	4
5	650	297	379	278	NR	F	786	690	581	348	748	954	5
6	670	245	731	257	NR	F	701	984	654	414	812	1020	6
7	683	187	866	256	NR	F	610	987	972	503	805	1100	7
8	674	193	877	265	NR	F	622	812	1220	482	828	1120	8
9	834	177	785	472	NR	F	511	865	983	466	838	1220	9
10	651	147	759	568	NR	NR	356	1000	1080	447	808	1260	10
11	601	125	720	466	NR	NR	429	1020	992	434 *	800	1330	11
12	537	120	606	1050	NR	NR	462	1010	884	404	809	1320	12
13	544	121	508	1460	NR	2500	573	958	840	408	739	1400	13
14	350	152	466	1240	NR	1790	449	1170	675	412	760	1410	14
15	391	157	300	901	NR	1740	451 *	1160	646	483	790	1280	15
16	395	147	280	663	NR	2220	453	1100	555	550	856	1020	16
17	370	146	279	2310	NR	1580	411	1230	573 *	549	929	1050	17
18	345	154	305	3860	NR	1710	309	1240	587	487	958	962	18
19	364	151	307 *	5330	NR	3070	274	1110	473	490	1010	900 *	19
20	576	152 *	288	5380	F	3720	171	1150	452	542	1080	829	20
21	387	170	286	4680	F	3310	314	1250	394	539	1010 *	790	21
22	387	179	281	3690	F	2620 *	362	1260	410	564	1130	752	22
23	370	164	280	2720	F	2100	407	1200 *	450	603	1250	619	23
24	379 *	159	276	2060	F	1850	358	1120	454	550	1380	599	24
25	385	159	288	1640	F	1650	324	1100	471	564	1360	541	25
26	521	167	273	1320	F	1470	436	1030	405	608	1220	576	26
27	392	168	280	1070	F	1300	669	1060	329	670	1140	532	27
28	533	170	284	882	F	1090	582	1060	323	670	1030	510	28
29	548	189	273	846	F	991	486	879	340	667	889	490	29
30	356	234	279	NR		883	380	734	432	640	897	467	30
31	253		298	NR		796		651		705	909		31
MEAN	506	188	405	NR	NR	NR	503	959	606	504	922	912	MEAN
MAX.	834	327	877	NR	NR	NR	833	1260	1220	705	1380	1410	MAX.
MIN.	253	120	238	NR	NR	NR	171	385	323	323	687	467	MIN.
AC. FT.	31110	11170	24920	NR	NR	NR	29940	58970	36040	31010	56700	54280	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
/ - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	ACRE FEET
NR	NR			NR			NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 46 52	121 38 27	SE21 11N 3E				JUN 24-OCT 39 8 JAN 40-DATE	APR 45-DEC 46 8 APR 47-DATE				

Station located 0.5 mi. above mouth, 4.6 mi. SE of Knights Landing. During low flows this represents combined flows of Sutter Bypass and Reclamation District 1500. During high flows (above gage ht. 29.0 +) the slough is entirely submerged as it lies within the bypass area. Sharp rises in the Sacramento River cause zero or negative flow.

F - Flooded  
8 - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A55525	LITTLE LAST CHANCE CREEK BELOW FRENCHMAN DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.4	2.0	2.0	2.0	2.0	2.0	2.0	72	118	14	80	15	1
2	3.4	2.0	2.0	2.0	2.0	2.0	2.0	67	116	14	80	15	2
3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	53	115	12	80	15	3
4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	38	114	11	80	15	4
5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	32	100	11	91	15	5
6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	32	50	11	98	15	6
7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	32	50	11	98	15	7
8	2.0	2.0	2.0	2.0	2.0	2.0	2.7	32	44	11	98	15	8
9	2.0	2.0	2.0	2.0	2.0	2.0	5.2	32	25	11	74	15	9
10	2.0	2.0	2.0	2.0	2.0	2.0	8.7	38	25	11	59	15	10
11	2.0	2.0	2.0	2.0	2.0	2.0	13	49	25	11	59	15	11
12	2.0	2.0	2.0	2.0	2.0	2.0	18	49	25	11	54	15	12
13	2.0	2.0	2.0	2.0	2.0	2.0	20	49	35	11	45	15	13
14	2.0	2.0	2.0	2.0	2.0	2.0	24	49	40	11	45	15	14
15	2.0	2.0	2.0	2.0	2.0	2.0	27	49	40	24	42	15	15
16	2.0	2.0	2.0	2.0	2.0	2.0	33	49	40	32	35	5.9	16
17	2.0	2.0	2.0	2.0	2.0	2.0	35	49	40	36	35	2.0	17
18	2.0	2.0	2.0	2.0	2.0	2.0	33	49	40	39	35	2.0	18
19	2.0	2.0	2.0	2.0	2.0	2.0	52	49	56	46	35	2.0	19
20	2.0	2.0	2.0	2.0	2.0	2.0	57	49	65	49	27	2.0	20
21	2.0	2.0	2.0	2.0	2.0	2.0	53	49	65	50	15	2.0	21
22	2.0	2.0	2.0	2.0	2.0	2.0	49	49	65	44	15	2.0	22
23	2.0	2.0	2.0	2.0	2.0	2.0	69	49	65	45	15	2.0	23
24	2.0	2.0	2.0	2.0	2.0	2.0	75	58	65	48	15	2.0	24
25	2.0	2.0	2.0	2.0	2.0	2.0	93	63	65	48	15	2.0	25
26	2.0	2.0	2.0	2.0	2.0	2.0	107	63	65	48	15	2.0	26
27	2.0	2.0	2.0	2.0	2.0	2.0	107	58	50	48	15	2.0	27
28	2.0	2.0	2.0	2.0	2.0	2.0	107	55	43	53	15	2.0	28
29	2.0	2.0	2.0	2.0	2.0	2.0	107	77	14	60	15	2.0	29
30	2.0	2.0	2.0	2.0	2.0	2.0	97	93	14	74	15	2.0	30
31	2.0	2.0	2.0	2.0	2.0	2.0		110		80	15	2.0	31
MEAN	2.2	2.0	2.0	2.0	2.0	2.0	40.2	53.0	55.8	31.8	45.6	8.6	MEAN
MAX.	5.4	2.0	2.0	2.0	2.0	2.0	107	110	118	80	98	15	MAX.
MIN.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	32	14	11	15	2.0	MIN.
AC. FT.	132	119	123	123	115	123	2393	3257	3320	1954	2807	514	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION  
OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
20.6	120	3.52	5	31	0830	2.0	1.49	10	2	1100	14980

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 53 36	120 11 17	NE 33 24N 16E	172	3.99	4-16-1965	NOV 1961-DATE	NOV 1961-DATE	1961		5480.00	USCGS

Station located at toe of Frenchman Dam, 7.1 miles north of Chilcoot. Flow regulated by Frenchman Lake. At times, extremely heavy precipitation, off the face of the dam entering above the measuring weir, contributes additional flow. Flows include spill over Frenchman Dam.



**TABLE B-5 (Cont.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A55380	BIG GRIZZLY CREEK NEAR PORTOLA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.7	4.7	4.7	4.7	5.5 E	6.3	18	25	20	5.5 E	6.3 E	5.9 E	1
2	5.1	4.7	4.4	4.7	5.5	6.3	18	25	20	5.5 E	6.3 E	5.9 E	2
3	3.7	4.7	4.4	4.7 E	5.9	6.3	18	19	23	5.5 E	6.3 E	5.9 E	3
4	4.7	4.7	4.7	4.7 E	5.5 E	6.3 *	18	9.8	28	5.5 E	6.3 E	5.9 E	4
5	4.4	4.7	4.7	4.7 E	5.5	5.9	18	9.2	28	5.5 E	6.3 E	5.9 E	5
6	5.1	4.7	4.7 E	4.7 E	5.5	5.9	18	24	28	5.5 E	6.3 E	5.9 E	6
7	5.1	4.7	4.7 E	4.7	5.5	5.9	17	24	28	5.5 E	6.3 E	5.9 E	7
8	5.1	4.7	5.1 E	4.7	5.5 E	5.9	17	24	28	5.5 E	6.3 E	5.9 E	8
9	5.1	4.7	4.7 E	4.4	5.9	5.9	17	22	28	5.5 E	6.3 E	7.7 E	9
10	5.1	4.7	4.7 E	4.7 E	5.9	5.5	17	23	28	5.5 E	6.3 E	8.2 E	10
11	5.1	4.7	4.7 E	4.7 E	5.9	5.5	17 E	21	28	5.5 E	6.3 E	8.2 E	11
12	5.5	4.7	4.7 E	4.7 E	5.9	5.5	17 E	24	28	5.5 E	6.3 E	8.2 E	12
13	5.1	4.7	4.7 E	4.7	6.3 E	5.9	17 E	24	28	5.5 E	6.3 E	8.2 E	13
14	4.7	4.7	4.7 E	5.5 E	6.3	5.5	17 E	23	19	6.3 E	8.2 E	8.2 E	14
15	4.7	4.7	4.7 E	7.7 E	5.5	11	17 *	20	10	12 E	9.2 E	8.2 E	15
16	4.7	5.1	4.4	5.9	5.5	17	17 E	24	10 E	12 E	9.2 E	8.2 E	16
17	4.7	5.1	4.4	5.1 E	6.3	17	17 E	24	10 E	12 E	9.2 E	7.7 E	17
18	4.7	5.1	4.4	5.1 E	6.3	17	17 E	25	10 E	14 E	9.2 E	6.3 E	18
19	4.7	5.5	4.0	5.1	8.2	17	17 E	25	10 E	14 E	9.2 E	6.3 E	19
20	4.7	5.1	4.0	5.1 E	9.8	17	17 E	21	10 E	14 E	9.2 E	6.3 E	20
21	4.7	5.1	4.4 E	5.1	11	17	17 E	18	10 E	14 E	11 E	6.3 E	21
22	4.7	5.1	4.4 E	5.1	9.8	17	17 E	18	10 E	14 E	12 E	6.3 E	22
23	4.7	5.1	4.4 E	5.1	9.2	17	22 E	18	10 E	14 E	12 E	6.3 E	23
24	5.1	4.7	4.4	5.5 E	8.2	17	25	18	7.2 E	14 E	12 E	6.3 E	24
25	5.1	4.7	4.4	5.1	7.2	17	25	18	5.5 E	14 E	12 E	6.3 E	25
26	4.7	4.7	4.4	5.5 E	7.2	17	25	19	5.5 E	14 E	9.2 E	6.3 E	26
27	4.7	4.7 E	4.7	5.5 E	7.2	17	25	19	5.5 E	14 E	5.9 E	6.3 E	27
28	4.7	4.7 E	4.7	5.5 E	6.8	17	24	19	5.5 E	14 E	5.9 E	6.3 E	28
29	4.7	4.7 E	4.7	5.1 E	6.8	18	25	19	5.5 E	14 E	5.9 E	6.3 E	29
30	4.7	4.7 E	4.7 E	5.5 E		18	25	19	5.5 E	8.2 E	5.9 E	6.3 #	30
31	4.7		4.7 E	5.5 E		18		19		6.3 E	5.9 E		31
MEAN	4.8	4.8	4.6	5.1	6.7	11.9	19.2	20.6	16.4	9.6	7.8	6.7	MEAN
MAX.	5.5	5.5	5.1 E	7.7 E	11	18	25	25	28	14 E	12 E	8.2 E	MAX
MIN.	3.7	4.7	4.0	4.4 E	5.5 E	5.5	17 E	9.2	5.5 E	5.5 E	5.9 E	5.9 E	MIN
AC. FT.	296	287	280	315	388	731	1142	1269	974	588	482	400	AC. FT.

**WATER YEAR SUMMARY**

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 # - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
9.8	34	2.35	6	14	0830	0.7	1.75	10	3	1600	7153

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 52 00	120 27 20	NW 7 23N 14E	4,080	8.03	2-1-1963	OCT 25-SEPT 32 OCT 50-SEPT 53 JUN 54-DATE	OCT 25-SEPT 32 OCT 50-SEPT 53 JUN 54-DATE			0.00	LOCAL

Station located 0.5 mile downstream from Grizzly Valley Dam. Flow regulated by Lake Davis. Prior to October 1966 station operated by USGS. Drainage area 45.5 square miles.

TABLE B-5

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A55420	MIDDLE FORK FEATHER RIVER NEAR PORTOLA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	33	37	55	49	105	473	195	40	33	25	6.3	5.1	1
2	32	38	47	48	89	414	200	43	34	17	5.8	5.0	2
3	36	38	47	51	77	362	222	52	35	12	5.5	6.3	3
4	36	38	52	55	69	323	220	54	36	11	5.3	5.0	4
5	36	35	67	60	65	294	204	51	32	9.3	5.3	5.0	5
6	41	34	74	63	62	271	173	48	35	8.6	5.2	4.6	6
7	48	35	78	63	62	255	150	45	45	8.2	5.2	4.7	7
8	48	36	66	61	64	261	150	44	57	7.6	5.2*	5.1	8
9	46	36	63	57	73	324	143	42	57	7.3	5.1	4.8	9
10	45	36	72	65	117	368	129	40	50	7.0	5.0	4.6	10
11	44	35	77	63	198	350	114	38	46	6.7	4.9	4.4	11
12	42	34	60	66	269	315	111	44	47	6.2	4.9	4.4	12
13	40	34	50	69	332	294	113	46	52	6.0	4.9	4.6	13
14	39	35	47	67	390	290	119	45	51	6.1	5.3	4.7	14
15	37	36	31	79	397	285	127	42	45	7.0	5.3	5.2	15
16	36	37	26	61	390	301	131	38	41	7.1	4.7	4.6	16
17	36	41*	22	58	392	352	130	40	36	6.6	5.3	4.6	17
18	36	43	24	64	480	414	127	60	31	5.4	5.8	5.3	18
19	37	48	23	72	650	403	112	75	26	6.2	6.0	5.2	19
20	37	51	25	72	1,200	344	38	75	22	6.0	5.9	5.1	20
21	38	53	27	90	2,840	289	50	67	19	6.2	5.4	5.3	21
22	39	55	27	129	4,460	260	63	66	17	6.2	6.5	6.4	22
23	39	56	29	145	3,460	236	61	66	16	5.7	6.4	5.8	23
24	39	54	32	141	2,430	215	57	66	17	5.6	6.2	5.5	24
25	39	52	34	138	1,770	207	57*	64	11	5.7	7.0	5.6	25
26	39	49	37	133	1,150	212	55	62	10	5.5	10	5.4	26
27	38	47	37	128	821	209	55	61	9.5	5.5	6.7	5.5	27
28	38	48	38	123	653*	206	47	56	8.9	5.5	5.5	7.1	28
29	38	54	38	113	545	199	42	47	8.2	5.4	5.2	6.0	29
30	38	53	40	117		193	41	40	29	6.7	5.2	6.4	30
31	38		46	125		191		35		6.6	5.0		31
MEAN	39.0	42.6	44.9	84.7	814	293	115	51.4	31.9	7.8	5.7	5.2	MEAN
MAX.	48.0	56.0	78.0	145	4,460	473	226	75.0	57.0	25.0	10.0	7.1	MAX.
MIN.	32.0	34.0	22.0	48.0	62.0	191	30.0	35.0	8.2	5.4	4.7	4.4	MIN.
AC. FT.	2396	2535	2759	5207	46830	18069	6071	3158	1897	478	349	312	AC. FT.

- ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 # - E AND R

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
125.2	4650	8.07	02	22	0300	3.3	1.80	09	04	0515	90860

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 49 13	120 26 25	NE 29 23N 14E				NOV 1955-DATE	NOV 1955-DATE	1955	1965	0.00	LOCAL
								1965		1.00	LOCAL

Station located south of State Highway 70, 1.8 mile northeast of Portola. Stage-discharge relationship at times affected by ice.



TABLE B-5

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A54470	INDIAN CREEK NEAR BOJLDER CREEK GUARD STATION

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DA
1	13	11	12	12	23	143	134	95	25	14	9.8	9.5	1
2	13	11	12	12	25	133	128	97	23	10	9.8	9.5	2
3	12	11	12	12	24	126	118	97	22	10	9.8	7.5	3
4	11	11	12	12	28	122	111 *	95	21	10	9.8	9.5	4
5	11	11	13	12	28	123	108	92	21	10	9.8	9.5	5
6	11	11	12	12	27	116	102	85	23	10	9.8	9.3	6
7	11	11	12	12	27	107	97	78	24	10	9.8	9.2	7
8	11	11	12	12	26	103	94 *	72	23	10	9.8	9.2	8
9	11	11	12	12	27	95	96	67	22	10	9.8	9.2	9
10	11	11	12	13	29	86	105	62	21	10	9.8	9.2	10
11	11	11	12	13	30	79	120	60	21	10	9.8	9.2	11
12	11	11	12	13	31	76	132	57	20	9.4	9.8	9.2	12
13	11	11	12	13	32	79	128	54	20	10	9.8	9.2	13
14	11	11	13	13	32	75	123	52	19	10	9.8	9.2	14
15	11	11	12	13	33	71	123	49	19	10	9.8	9.2	15
16	11	11	12	13	33	75	121	46 *	19	10	10	9.2*	16
17	11	11	12	13	34	75	111	43	19	10	9.5	9.2	17
18	11	12	12	13	38	69	99 *	41	19	10	9.5	9.2	18
19	11	12	12	13	46	63	94	40	19	10	9.7	9.2	19
20	11	12	12	13	71	59	89	39	19	10	9.6	9.2	20
21	11	12	12	13	118	59	83	37	19	10	9.6	9.2	21
22	11	11	12	13	151	59	77	49	19	10	9.6	9.2	22
23	11	11	12	13	183	58	74 *	55	19	10	9.5	9.2	23
24	11	11	12	13	208	60	74	51	19	10	9.5	9.3	24
25	11	11	12	13	191	68	75	45	19	10	9.5	9.5	25
26	11	12	12	13	176	74	78	41	19	10	9.5	9.5	26
27	11	12	12	13	166 *	72	83	37	19	9.9	9.5	9.5	27
28	11	12	12	13	158	73	84	34	19	9.8	9.5	9.5	28
29	11	12	12	14	151	81	84	30	19	9.8	9.5	9.5	29
30	11	12	12	14		101	89	28	19	9.8	9.5	9.5	30
31	11		12	21		121		27		9.8	9.5		31
MEAN	11.2	11.3	12.1	13.2	74.1	87.1	101	56.6	20.3	10.1	9.7	9.3	MEAN
MAX.	13.0	12.0	13.0	21.0	208	143	134	97.0	25.0	14.0	10.0	9.5	MAX.
MIN.	11.0	11.0	12.0	12.0	23.0	58.0	74.0	27.0	19.0	9.4	9.5	7.5	MIN.
AC. FT.	686	672	742	809	4264	5357	6018	3481	1208	620	595	550	AC. FT.

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 # - E AND R

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
34.4	215	5.01	02	24	0430	0.4	3.15	09	03	1430	25004

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 10 00	120 36 57	SW 27 27N 12E				JUNE 1961-DATE	JUNE 1961-DATE	1961		0.00	LOCAL

Station located 2.2 miles south of Boulder Creek Guard Station, 11 miles northeast of Genesee. Tributary to East Branch North Fork Feather River. Stage-discharge relationship at times affected by ice. Flow regulated by Antelope Lake. Drainage area is 70.8 square miles.

TABLE B-5

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A54455	RED CLOVER CREEK ABOVE ABBEY BRIDGE JAM SITE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	5.9	8.4	NR	57	217	133	30	7.3	1.9	1.7	1.7	1
2	NR	5.7	7.1	NR	68	190	124	24	6.8	1.9	1.5	1.7	2
3	NR	5.5	7.9	NR	111	167	108	15	6.2	1.9	1.4	1.7	3
4	7.1	5.8	9.0	NR	95	161	97	31	5.5	1.7	1.3	1.6	4
5	5.6	6.5	10	NR	80	163	93	28	5.2	1.7	1.3	1.6	5
6	5.5	6.2	9.7	22	74	126	80	23	6.6	1.7	1.2	1.6	6
7	5.8	6.1	9.8	24	70	110	79	23	8.5	1.6	1.2	1.5	7
8	6.0	6.3	9.6	27	67	125	75	22	8.1	1.6	1.1	1.6	8
9	6.8	6.3	11	28	71	128	71	20	6.9	1.4	1.1	1.7	9
10	7.3	6.5	13	27	68	97	72	19	6.0	1.4	1.1	1.7	10
11	7.8	6.6	13	27	67	83	75	18	5.4	1.4	1.0	1.7	11
12	8.7	6.7	14	26	69	74	76	17	4.9*	1.4	1.1	1.6	12
13	8.8	6.7	NR	26	63	81	70	17	4.8	1.3	1.1	1.5	13
14	9.0	7.3	NR	31	58	89	65	17	4.6	1.4	1.2	1.6	14
15	9.4	7.0	NR	73	48	98	63	17	4.3	1.4	1.3	1.6	15
16	10	6.5	NR	65	41	87	73	16	4.0	1.4	1.4	1.6	16
17	9.9	6.2	NR	52	51	89	74	15	3.7	1.4	1.6	1.6	17
18	7.2	6.8	NR	55	76	85	68	14	3.6	1.4	1.6	1.6	18
19	3.4	10	NR	53	94	78	59	13	3.7	1.4	1.9	1.6	19
20	4.3	8.6	NR	45	233	86	53	12	3.2	1.3	1.8	1.6	20
21	4.8	7.2	NR	44	523	97	47	12	3.0	1.3	1.7	1.6	21
22	5.1	6.3	NR	39	556	97	41	11	2.9	1.3	1.9	1.6	22
23	5.3	6.5	NR	36	735	89	30	12	2.8	1.3	1.7	1.6	23
24	5.4	6.5	NR	34	481	84	30	13	2.7	1.3	1.7	1.6	24
25	5.6	6.5	NR	34	341	114	29	13	2.7	1.3	1.8	1.6	25
26	5.5	5.7	NR	33	309	109	30	12	2.5	1.3	1.8	1.8	26
27	5.5	6.1	NR	33	291	90	29	11	2.3	1.3	1.8	1.5	27
28	4.4	7.4	NR	32	268	97	28	9.7	2.3	1.3	1.9	1.4	28
29	4.6	7.0	NR	20	242	113	29	8.7	2.1	1.3	1.8	1.6	29
30	5.2	6.2	NR	14	NR	131	30	8.1	2.1	1.3	1.8	1.4	30
31	5.8	NR	NR	39	NR	135	NR	7.7	NR	1.4	1.7	NR	31
MEAN	NR	6.6	NR	NR	183	112	64.6	16.4	4.5	1.5	1.5	1.6	MEAN
MAX.	NR	10.0	NR	NR	735	217	133	31.0	8.5	1.9	1.9	1.8	MAX.
MIN.	NR	5.5	NR	NR	41.0	74.0	24.0	7.7	2.1	1.3	1.0	1.4	MIN.
AC. FT.	NR	394	NR	NR	10526	6922	3442	1010	267	89	92	95	AC. FT.

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 = - E AND R

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
NR	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	NR
NR	1030	8.09	2	23	1845	1.0	2.90	8	9	1000	NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
39 58 05	120 31 09	SE 4 24N 13E	3,460 E	11.36	12-22-1964	DEC 1962-DATE	DEC 1962-DATE	1962		0.00	LOCAL

Station located above bridge on Forest Service road, 13 miles east of Genesee, 11 miles north of Portola. Stage-discharge relationship at times affected by ice. Drainage area is 87.9 square miles.



**TABLE B-5 (Cont.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A54750	LAST CHANCE CREEK AT DIXIE REFUGE DAMSITE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.9	3.2	5.0	6.7	8.1	26	16 *	7.1	2.1	0.0 *	0.0	0.0	1
2	3.2	3.3	4.9	7.1	8.6	24	17	6.8	1.8	0.0	0.0	0.0	2
3	8.8	3.3	5.0	7.6	11	22	15	6.9	1.7	0.0	0.0	0.0	3
4	4.6	3.4	5.5	8.3	12	21	14	7.3	1.8	0.0	0.0	0.0	4
5	3.3	3.7	5.7	8.9	15	21 *	13	6.7	1.9	0.0	0.0	0.0	5
6	2.9	3.7	4.6	9.0	13	18	13	6.6	3.7	0.3	0.0	0.0	6
7	2.6	3.6	3.2	9.0	12	17 *	12	6.3	3.7	0.2	0.0	0.0	7
8	2.5	3.5	6.0	8.5	13	19	12	5.8	2.9	0.1	0.0	0.0	8
9	2.4	3.5	5.6	8.0	13	21	11	5.5	2.4	0.0	0.0	0.0	9
10	2.3	3.6	5.7	7.3	15	18	11	5.2	2.1	0.0	0.0	0.0	10
11	2.3	3.6	5.7	7.0	19	16	11	5.1	1.7	0.0	0.0	0.0	11
12	2.3	3.8	5.8	6.9	21	15	12 *	6.8	1.5	0.0	0.0	0.0	12
13	2.3	3.8	5.3	6.9	21	16	11	6.4	1.4	0.0	0.0	0.0	13
14	2.2	4.4	4.7	7.4	23	15	11	5.8	1.3	0.0	0.0	0.0	14
15	2.2	4.4	4.7	9.5	17	13	11	5.2	1.1	0.0	0.0	0.0	15
16	2.3	4.1	5.6	10	16	14	12	4.8	1.0	0.0	0.0	0.0	16
17	2.4	4.0	6.5	13	18	16	11	4.5	0.8	0.0	0.0	0.0	17
18	2.4	4.3	6.6	19	38	17	10	4.4	0.6	0.0	0.0	0.0	18
19	2.5	6.1	6.4	17	52	14	9.7	4.3	0.5	0.0	0.0	0.0	19
20	2.5	6.1	6.4	11	130	12 *	8.9	4.5	0.4	0.0	0.0	0.0	20
21	2.5	5.1	6.2	10	171	11	8.4	4.0	0.4	0.0	0.0	0.0	21
22	2.7	4.4	6.1	9.5	169	12	8.1	4.1	0.4	0.0	0.0	0.0	22
23	2.8	4.1	5.8	9.5	223	11	7.9	4.5	0.4	0.0	0.0	0.0	23
24	2.7	4.1	5.8	9.6	71	11	8.2	5.0	0.3	0.0	0.0	0.0	24
25	2.6	4.0	5.8	9.8	50	14	7.7	4.2	0.1	0.0	0.0	0.0	25
26	2.6	3.5	5.9	9.6	43	13	7.4 *	3.6	0.1	0.0	0.0	0.0	26
27	2.9	3.5	6.3	8.7	37	12	7.2	3.2	0.1	0.0	0.0	0.0	27
28	3.2	4.3	6.7	8.1	31	12	7.1	2.9	0.0	0.0	0.0	0.0	28
29	3.0	4.7	6.5	7.1	28	13	7.2	2.6	0.0	0.0	0.0	0.0	29
30	3.1	4.8	6.4	7.6		14	7.2	2.4	0.0	0.0	0.0	0.0	30
31	3.1		6.6	8.1		15		2.3		0.0	0.0		31
MEAN	2.8	4.1	5.7	9.2	44.8	15.9	10.6	5.0	1.2	0.0	0.0	0.0	MEAN
MAX.	8.8	6.1	6.7	19.0	223	26.0	17.0	7.3	3.7	0.3	0.0	0.0	MAX.
MIN.	0.9	3.2	3.2	6.7	8.1	11.0	7.1	2.3	0.0	0.0	0.0	0.0	MIN.
AC. FT.	175	242	351	567	2576	978	631	307	72	1	0	0	AC. FT.

**WATER YEAR SUMMARY**

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
8.1	286	6.4	2	23	1445	0.0		6	28		5899

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 05 21	120 22 23	SW 23 26N 14E				OCT 1964-DATE	JULY 1963-DATE	1963		0.00	LOCAL

Station located 0.8 mile above bridge on Forest Service road, 5.7 miles south of Milford. Tributary to Indian Creek via Red Clover Creek. Stage-discharge relationship at times affected by ice.

TABLE B-5

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A54370	INDIAN CREEK NEAR TAYLORSVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	55	58	73	78	97	945	694	381	159	60	41	33	1
2	73	54	67	73	91	836	678	379	153	55	40	33	2
3	112	59	80	60	105	772	632	390	147	52	39	32	3
4	91	59	91	67	108	728	581	404	141	50	39	32	4
5	82	62	128	69	112	749	559	400	136	49	36	31	5
6	75	63	87	66	113	651	533	370	150	49	35	30	6
7	69	63	112	67	120	591	502	346	153	48	35	30	7
8	66	62	83	70	124	565	482	332	146	48	35	30	8
9	64	62	82	69	142	561	475	318	137	47	35	31	9
10	63	61	82	102	170	495	494	313	122	47	35	31	10
11	61	61	80	71	175	441	538	307	111	46	37	31	11
12	59	61	91	73	194	411	570	285	104	45	36	31	12
13	60	61	61	75	236	405	546	278	101	45	34	30	13
14	59	69	56	87	238	415	512	266	98	49	35	31	14
15	58	67	70	357	199	415	508	252	94	48	35	32	15
16	58	65	77	278	177	459	516	236	90	48	36	32	16
17	58	64	78	205	193	458	507	225	85	47	38	32	17
18	58	67	79	159	294	465	461	228	78	46	38	32	18
19	58	97	79	138	475	438	424	239	77	43	42	33	19
20	58	90	76	119	1,310	428	400	255	77	42	44	34	20
21	58	83	74	107	1,940	456	374	244	75	41	47	35	21
22	59	76	78	97	1,990	465	351	247	72	40	45	35	22
23	59	71	75	91	2,340	435	336	263	71	39	43	35	23
24	58	69	74	87	2,150	433	333	246	69	39	41	34	24
25	57	68	75	85	1,540	471	332	233	67	55	39	34	25
26	57	65	75	82	1,350	543	333	225	64	43	38	34	26
27	58	65	78	76	1,230	482	340	221	63	41	37	33	27
28	58	69	79	76	1,150	489	339	217	62	39	37	33	28
29	59	74	79	77	1,020	559	354	204	62	37	35	33	29
30	58	75	72	58		661	373	178	61	38	34	32	30
31	58		74	102		704		169		39	34		31
MEAN	63.7	61.5	79.2	103	668	546	469	279	100	45.6	37.9	32.3	MEAN
MAX.	112	97.0	128	357	2,340	945	694	404	159	60.0	47.0	35.0	MAX.
MIN.	55.0	58.0	56.0	58.0	91.0	405	332	169	61.0	37.0	34.0	30.0	MIN.
AC. FT.	3919	4017	4869	6389	38456	33572	27921	17159	6000	2807	2331	1922	AC. FT.

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 = - E AND R

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
206.4	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	149815
	2900	10.24	02	23	2400	24.0	4.47	01	30	0345	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 02 54	120 48 55	NW 12 25N 10E	30,200 E	10.65	2-1-1963	APR 45-AUG 54 * AUG 54-DATE	APR 45-AUG 54 * AUG 54-DATE	1954	1963	0.00 0.00	LOCAL LOCAL

Station located 0.5 mile above Montgomery Creek, 2.3 miles southeast of Taylorsville. Maximum discharge listed is at site and datum then in use. Drainage area is 526 square miles.

\* - Maintained by watermaster service for irrigation season only.



TABLE B-5 (Cont.)  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A56910	PALERMO CANAL AT OROVILLE DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

WATER YEAR SUMMARY

- E - ESTIMATED
- NR - NO RECORD
- \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY
- # - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	ACRE FEET

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 32 00	121 28 55	SW 1 19N 4E	29 E	1.32	1-20-1964	APR 1963-DATE	APR 1963-DATE	1963		0.00	LOCAL

Station is located at the outlet of the relocation tunnel of Palermo Canal 50 feet southeast of toe of the dam.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A56913	KELLY RIDGE TURNOUT TO PALERMO CANAL NEAR OROVILLE DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	23	6.2 *	4.8	0.10	5.0	5.0	5.0	25	22	24	24	21	1
2	20	5.0	4.8	0.10	5.0	5.0	5.0	25 *	22	24	24	21	2
3	19	5.0	4.8	0.10	5.0	5.0	5.0	25	22	24	24	16	3
4	17	5.0	4.8	0.10	5.0	5.0	5.0	25	22	24	24	22	4
5	16	5.0	4.8	0.10	5.0	5.0	5.0	25	22	24	24	22	5
6	16	5.0	4.8	3.2	5.0	5.0	5.0	25	22	24	24	20	6
7	16	5.0	4.8	5.0	5.0	5.0	5.0	25	22	24	24	19	7
8	16	4.8	2.6	5.0	5.0	5.0	5.0	25	22	24	24	19	8
9	16	4.8	0.10	5.0	5.0	5.0	5.0	25	22	24	24	19	9
10	16	4.8	0.10	5.0	5.0	5.0	8.3	25	22	24	24	19	10
11	16	4.8	0.10	5.0	5.0	5.0	10	25	22	24	24	19	11
12	16	4.8	0.10	5.0	5.0	5.0	11	25	22	24	24	19	12
13	16	4.8	0.10	5.0	5.0	5.0	11	25	22	24	24	19	13
14	16	4.8	0.10	5.0	5.0	5.0	11	25 *	22	24	24	19	14
15	13	4.8	0.10	5.0	5.0	5.0	11	24	22	24	24	19	15
16	12	4.8	0.10	5.0	5.0	5.0	11	23	22	24	24	18	16
17	13	4.8	0.10	5.0	5.0	5.0	11	22	24	24	24	18	17
18	13	4.8	0.10	5.0	5.0	5.0	12	22	25	24	24	19	18
19	13	4.8	0.10	5.0	5.0	5.0	13	22	25	24	24	19	19
20	13	4.8	0.10	5.0	5.0	5.0	13	22	25	24	24	19	20
21	13	4.8	0.10	5.0	5.0	5.0	13	22	24	24	23	19	21
22	13	4.8	0.10	5.0	5.0	5.0	13 *	22	24	24	21	19	22
23	13	4.8	0.10	5.0	5.0	5.0	13	22	24	24	21	19	23
24	9.9	4.8	0.10	5.0	5.0	5.0	13	22	24	24	22	19	24
25	8.0	4.8	0.10	5.0	5.0	5.0	16	22	24	24	22	19	25
26	8.0	4.8	0.10	5.0	5.0	5.0	18	22	24	24	22	19	26
27	8.0	4.8	0.10	5.0	5.0	5.0	18	22	24	24	22	19	27
28	8.0	4.8	0.10	5.0	5.0	5.0	18	22	24	24	22	19	28
29	8.0	4.8	0.10	5.0	5.0	5.0	22	22	24	24	22	19	29
30	8.0	4.8	0.10	5.0	5.0	5.0	25	22	24	24	21	19	30
31	7.7	4.8	0.10	5.0	5.0	5.0	5.0	22	24	24	21	19	31
MEAN	13.6	4.9	1.2	4.2	5.0	5.0	11.2	23.5	23.0	24.0	23.2	19.2	MEAN
MAX.	23	6.2	4.8	5.0	5.0	5.0	25	25	25	24	24	22	MAX.
MIN.	7.7	4.8	0.10	0.10	5.0	5.0	5.0	22	22	24	21	16	MIN.
AC. FT.	834	291	76	255	288	307	667	1440	1370	1480	1430	1140	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION  
OF NO FLOW MADE THIS DAY  
? - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL		
13.2	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
											9,578

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 31 50	121 29 00	SE 2 19N 4E	25	1.77	5-20-1964	MAY 1963-DATE	MAY 1963-DATE	1963		0.00	LOCAL

Station is located west of Kelly Ridge Penstock, 4 miles east of Oroville. This is water from the Oroville-Wyandotte Irrigation District to Palermo Canal replacing the interrupted supply during the construction phase of the Oroville Dam. Records furnished by U. S. Geological Survey.



**TABLE B-5 (Cont.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A05791	FEATHER RIVER AT OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1180	2910	948	401	392	750	410	410	410	402	412	412	1
2	3560	3250	948	401	401	810	382	420	410	412	412	412	2
3	4970	3100	935	401	401	810	420	392	410	412	421	422	3
4	3980	2570	935	410	401	822	430	392	392	402	421	431	4
5	3560	1940	922	420	401	786	441	392	387	412	412	402	5
6	3470	2510	909	420	401	580	420	392	402	402	412	402	6
7	3620	2890	909	420	401	420	401	401	402	412	412	402	7
8	3230	1570	909	430	392	392	401	382	393	422	412	402	8
9	3070	1190	909	401	392	392	401	392	384	412	412	393	9
10	3140	1190	909	420	401	401	401	392	384	412	412	402	10
11	2490	1180	896	410	410	420	401	401	393	412	412	402	11
12	2100	1750	896	410	420	410	410	410	393	407	402	412	12
13	2160	2380	896	420	430	410	410	483	384	412	402	422	13
14	2950	1480	890	401	494	382	401	401	412	412	402	431	14
15	2910	1140	896	401	774	401	401	392	402	412	392	431	15
16	2630	970	909	401	810	420	392	392	402	412	392	422	16
17	2950	942	909	410	786	392	363	401	412	412	412	431	17
18	2730	956	922	401	810	401	354	401	412	412	412	431	18
19	2710	970	909	392	822	372	382	392	402	412	412	431	19
20	2630	970	909	392	822	420	401	392	393	412	412	431	20
21	2140	956	909	410	834	401	410	392	410	412	397	422	21
22	2120	956	834	410	822	382	401	401	412	412	402	412	22
23	2290	970	810	410	822	472	401	410	412	412	402	402	23
24	2630	1050	810	392	810	738	401	420	412	412	402	402	24
25	2650	1430	810	392	798	410	401	420	412	402	412	393	25
26	2870	1430	692	392	810	410	401	420	402	402	412	393	26
27	2450	1430	624	401	822	410	401	420	412	402	412	402	27
28	1690	1370	547	401	822	420	401	410	412	402	422	402	28
29	1620	970	420	420	834	410	401	410	402	402	422	402	29
30	1890	956	401	420	410	410	410	410	393	408	412	393	30
31	2850		401	392	410	410	410	410	408	408	412		31
MEAN	2750	1579	823	407	618	486	402	405	402	409	410	412	MEAN
MAX.	4970	3250	948	430	834	822	441	483	412	422	422	431	MAX.
MIN.	1180	942	401	392	392	372	354	382	384	402	392	393	MIN.
AC. FT.	169100	93970	50620	25000	35570	29880	23900	24900	23920	25170	25180	24490	AC. FT.

**WATER YEAR SUMMARY**

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
760											551,700

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 31 13	121 32 48	NE 8 19N 4E	230,000		3-19-1907	OCT 1901-DATE	OCT 1901-DATE	1912	1934	139.53	USCGS
								1934	1962	182.02	USCGS
								1962	1964	0.00	USCGS
								1964		148.97	USCGS

Station located 300 feet above Fish Barrier Dam, 0.6 mile northeast of Oroville. Flow partly regulated by reservoirs and powerplants. Maximum discharge listed at site then in use (approximately 167.5 feet USCGS Datum). Records furnished by U. S. Geological Survey. Drainage area is 3,626 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A05975	THERMALITO AFTERBAY RELEASE TO FEATHER RIVER NEAR OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	400	400	0.0	394	1700	2030	4.0 *	0.0	406	1
2	0.0	0.0	0.0	400	400	0.0	415	1910	1930	0.0	0.0	406	2
3	0.0	0.0	0.0	400	394	0.0 *	425	2940	1840	0.0	0.0	406	3
4	0.0	0.0	0.0	406	387	0.0	405	3250	1680	0.0	0.0	400	4
5	0.0	0.0	0.0	406	387	0.0	395	3270	1460	0.0	0.0	400	5
6	0.0	0.0	0.0	400	381	115	397	2840	834	0.0	0.0	394	6
7	0.0	0.0	0.0	400	394	394 E	397	2020	402	0.0	0.0	394	7
8	0.0	0.0	0.0	400	400	394 E	396	1820	400	0.0	0.0	394	8
9	0.0	0.0	0.0	400	400	387 E	400	1050	400	0.0	0.0	394	9
10	0.0	0.0	0.0	400	400 E	387 E	396	407	400	0.0	0.0	394	10
11	0.0	0.0	0.0	400	400 E	381 E	394	405	399	0.0	0.0	394	11
12	0.0	0.0	0.0	400	416 E	381	395	397	400	0.0	0.0	400	12
13	0.0	0.0	0.0	400	3500 E	387	391	1140	401	0.0	0.0	400	13
14	0.0	0.0	0.0	400	983	389	400 E	2140	403	0.0	0.0	400	14
15	0.0	0.0	0.0	400	222	401	400 E	722	740	0.0	0.0	394	15
16	0.0	0.0	0.0	394	82	395	400 E	1250	896	0.0	0.0	394	16
17	0.0	0.0	0.0	394	53	395	400 E	2400	898	0.0	0.0	394	17
18	0.0	0.0	0.0	394	48	382	400 E	2430	900	0.0	0.0	394	18
19	0.0	0.0	0.0	394	31	386	400 E	2350	1050	0.0	180 E	394	19
20	0.0	0.0	0.0	394	78	405	400 E	1690	1300	0.0	172	394	20
21	0.0	0.0	0.0	394	56	410	400 E	1010	1310	0.0	172	400	21
22	0.0	0.0	0.0	394	82	416	608 E	2200	1700	0.0 *	170	394	22
23	0.0	0.0	0.0	394	29	398	897 E	2480	1700	0.0	170	394	23
24	0.0	0.0	0.0 *	400	34	92	887	2690	1560	0.0	170	394	24
25	0.0	0.0	0.0	400	24	282	881	2740	948	0.0	189	394	25
26	0.0	0.0	96	400	9.6	420	879	2800	535	0.0	400	394	26
27	0.0	0.0	190	400	0.0	406	900	2860	393	0.0	400	413	27
28	0.0	0.0	272	400	0.0	385	909	2850	387	0.0	387	400	28
29	0.0	0.0	400	400	0.0	395	1090	2550	381	0.0	387	400	29
30	0.0	0.0	400	400		395	1520	2380	352	0.0	387	413	30
31	0.0	0.0	400	400		384		2210		0.0	406		31
MEAN	0.0	0.0	56.7	399	345	308	566	2029	934	0.1	83.5	398	MEAN
MAX.	0.0	0.0	400	406	3500 E	420	1520	3270	2030	4.0	406	413	MAX.
MIN.	0.0	0.0	0.0	394	0.0	0.0	391	397	352	0.0	0.0	394	MIN.
T.C. FT.	0.0	0.0	3487	24520	19820	18970	33660	124800	55600	8	7121	23690	T.C. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	ACRE FEET
							311,600

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 27 23	121 38 10	SE 33 19N 3E				DEC 1967-DATE	DEC 1967-DATE	1967		0.47	USCGS

Station located in river outlet channel 5.7 miles southwest of Oroville. Station measures flows released to Feather River through Thermalito Afterbay.



TABLE B-5

**DAILY MEAN DISCHARGE**  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A05165	FEATHER RIVER NEAR GRIDLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	697	2,690	964	892	1,040	867	843	2,050	2,490	574	426	824	1
2	1,910	3,120	953	897	1,090 *	857	828	2,180	2,360	509	410	819	2
3	3,880 *	3,000	953	893	1,070	880	838	3,260	2,290	457	404	830	3
4	3,290	2,730	931	889	1,050	863	850	3,720	2,140	428	408	831 *	4
5	2,700	1,480	920 *	911	1,030	868	847	3,750	1,930	419	408	854 *	5
6	2,690	1,990	920	923	988	864	824	3,490	1,480	422	400	851	6
7	2,700	2,440 *	920	925	1,010	877	807	2,530	962	415	389	850	7
8	2,470	2,170	920	931	996	855	816	2,320	942	420	389 *	844	8
9	2,440	1,210	920	937	966	822	824	1,760	925	419	389	848	9
10	2,200	1,260 *	920	990	964	817	816	980	911	410	395	837	10
11	1,980	1,230	920	930	953	821	814	975	917	406	396	852	11
12	1,600	1,470	920	931	953	820	814	1,000	908	403	390	862	12
13	1,190	2,190	920	931	3,220	868	802	1,380	865	407	388	866	13
14	2,290	1,430	920	955	1,990	839 *	808	3,060 *	870	404	393	860	14
15	2,200	1,190	920	998	1,050	841	802	1,050	1,070	396	393	854	15
16	2,170	1,070	931	965	1,020	888	622	2,010	1,280	396	394	1,030	16
17	2,240	994	931	942	1,010	866	756	2,590	1,280	391	404	913	17
18	2,090	975	942	906	966	846	768	2,970	1,290	381	404	880	18
19	2,020	991	942	873	989	840	771	2,910	1,350	379 *	503	872	19
20	1,950	985	942 *	779	1,080	858	768	2,500	1,610	377	558	860	20
21	1,850	959	903	875	1,090	868	786	1,280	1,610	378	555	856	21
22	1,380	964	905	899	1,060	860	893	2,650	1,960	381	559	847	22
23	1,670	964	868	930	1,010	853	1,210	2,890	2,020	381	584	859	23
24	1,810	1,160	860	972	974	823	1,190	3,140	1,910	381	591	858	24
25	2,140	1,470	860	1,070	943	884	1,180	3,210	1,440	374	598	856	25
26	2,110	1,470	893	1,020	929	797	1,180 *	3,240	1,020	366	745	852	26
27	2,300	1,480	863	992	921	848	1,210	3,290	831	370	793	864	27
28	1,880	1,420	909	1,010	909	843	1,260	3,300	814	379	788	868	28
29	1,610	987	906	1,080	909	835	1,370	3,060	762	374	784	875	29
30	1,450	984	887	1,110		845	1,780	2,820	795	373	795	881	30
31	2,500		888	1,050		847		2,680		392	819		31
MEAN	2,112	1,595	914	948	1,109	850	935	2,517	1,367	405	511	861	MEAN
MAX.	3,880	3,120	964	1,110	3,220	888	1,780	3,750	2,490	574	819	1,030	MAX.
MIN.	697	959	860	779	909	797	622	975	762	366	388	819	MIN.
AC. FT.	129891	94955	56233	58326	63828	52284	55690	154800	81386	24916	31442	51279	AC. FT.

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 # - E AND R

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
1177.8	5420	27.24	02	13	945	366.0	23.99	07	25	815	855030

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD				DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
39 22 01	121 38 43	SW 33 18 N 3E		102.25	12-23-1955	JAN 1944-DATE	MAR 29-MAY 37 #	1929		0.00	USED	
							OCT 37-APR 39	1929		-2.91	USCGS	
							NOV 39-JUL 40					
							OCT 40-JUL 43					
							OCT 43-DATE					

Station located near highway bridge, 2.7 miles east of Gridley. Subsequent to 1962, tabulations include all left bank overflow. Records of discharge published prior to 1963 listed only that water in the main channel. Drainage area is 3,676 square miles.

# - Flood season only.

TABLE B-5

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A05735	NORTH HONCUT CREEK NEAR BANGOR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	4.2	3.3	13	2.9	173	32	18 E	6.7	2.9	0.6	1.1	1.3	1
2	4.4	5.4	7.4	2.9	532	29	18 E	6.7*	2.8	0.4*	1.4	1.6	2
3	4.1	4.0	8.7	3.0	186	25	14 E	5.9*	2.6	0.3	1.5	1.6	3
4	7.0*	3.3	27	3.0*	103	22	17	5.5	2.8*	0.4	1.5	1.6	4
5	7.1	3.2	35	3.2	77	19	15	5.3	3.0	0.5	1.2	1.7	5
6	5.9	3.4	17	3.2	49	16	16	5.0	3.5	0.6	1.2	1.9	6
7	5.4	3.5*	33	2.9	34	15	16	4.9	5.3	0.4	1.1	1.8	7
8	5.5	3.4	26	2.9	31	30	16	4.8	5.6	0.4	1.1	2.1	8
9	5.4	3.1	13	3.3	26	25	16	4.7	4.1	0.6	1.1	2.1	9
10	5.3	3.2	8.7	133	24	17	15	4.5	3.5	1.0	1.1	2.0	10
11	5.2	3.1	6.2	64	21	13	15	4.6	3.1	1.4	1.2	2.1	11
12	5.1	2.0	5.1	26	19	28	14	5.1	3.1	1.4	1.2	2.1	12
13	5.0	1.1	4.2	16	22	592	14	5.4	3.3	1.2	1.5	2.1	13
14	5.0	1.5	3.3	18	22	260	13	6.0	3.1	1.1	1.5	2.1	14
15	4.3	1.8	3.3	465	18	114	13	6.1	2.6	1.3	1.8	2.2	15
16	3.6	1.8	3.0	93	19	391	13	5.6	2.2	1.3	1.8	1.9	16
17	3.1	1.4	2.9	52	417	208	12	4.9	1.9	1.3	1.8	1.7	17
18	2.4	2.2	3.2	30	171	92	12 E	4.3	1.6	1.3	1.9	1.5	18
19	2.7	7.8	3.7	21	428	65	12 E	4.0	1.5	1.1	2.1	1.5	19
20	2.6	7.6	3.5	16	844	49	11 E	3.9	1.7	0.9	3.2	1.7	20
21	2.4	3.8	3.3	13	630	41	11 E	4.0	1.6	0.8	3.1	1.8	21
22	2.3	2.6	3.0	11	244	36	9.7 E	4.1	1.6	0.5	2.8*	1.7	22
23	2.7	1.8	3.1	9.4	175	30	9.4 E	4.1	1.5	0.3	2.4	1.7	23
24	3.5	1.6	3.2	8.3	141	26	9.4 E	4.5	1.3	0.1	2.0	1.6	24
25	3.9	1.7	3.0	7.7	114	25	8.8 E	4.9	1.1	0.0	1.7	1.9	25
26	4.1	1.7	3.1	7.1	60	22	7.4 E	4.6	0.9	0.0	1.7	2.1	26
27	4.2	1.6	2.9	6.5	48	21	5.9 E	3.8	0.9	0.2	1.7	2.3	27
28	4.0	2.3	2.8	5.8	40	20	7.1 E	3.4	0.9	0.3	1.5	2.2	28
29	3.6	4.9	2.9	55	36	20	7.0 E	3.1	0.9	0.2	1.5	2.2	29
30	3.0	21	2.8	1,470 *		18	7.1 E	3.1	0.8	0.2	1.2	2.2	30
31	2.9		2.8	346		16	E	3.0		0.6	1.0		31
MEAN	4.1	3.6	8.4	93.6	162	74.7	12.4	4.7	2.4	0.7	1.6	1.9	MEAN
MAX.	8.1	21.0	35.0	1,470	844	592	18.0	6.7	5.6	1.4	3.2	2.3	MAX.
MIN.	2.3	1.1	2.8	2.9	18.0	13.0	5.9	3.0	0.8	0.0	1.0	1.3	MIN.
AC. FT.	267	216	516	5754	9338	4596	739	291	142	41	101	112	AC. FT.

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 = - E AND R

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
30.5	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	22114
	3030	8.62	01	30	0445	0.0	3.66	07	25	1630	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 20 32	121 29 25	SW 11 17N 4E	10,700 E	11.57	12-26-1964	OCT 59-SEPT 62 JUL 63-DATE	OCT 59-SEPT 62 JUL 63-DATE	1959	1962	0.00	LOCAL
								1963		0.00	LOCAL

Station located 0.4 mile north of Honcut-Wyandotte Road and Bangor Highway junction, 5.7 miles southwest of Bangor. Tributary to Feather River. Flow partly regulated by Lake Wyandotte. Drainage area is 47.1 square miles.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A05120	FEATHER RIVER BELOW SHANGHAI BEND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1850	3260	1870	1480	4490	5480 *	4620	3920	3570	930	474	945	1
2	1810	3500	1740	1490	4090 *	5010 *	4690	4090	3380	667	518	952	2
3	4180 *	3760 *	1730	1490	6520	4540	4280	4500	3290	596	504	967	3
4	4570	3540	1950	1490	5370	4090	4000	5560	3120	582	504	960	4
5	4300	2960	2180	1470	4120	3870	3840	5820	3010	622	524	960	5
6	4060	2530	2010	1530	3660	3700	3750	5820	2780	576	498	975	6
7	3860	3100	1970	1680	3570	3610	3650	4870	2220	537	446	1010	7
8	3900	3120	2000	1700	3520	3780	3520	4240	2060	530	446	1040	8
9	3650	1980 *	1790	1800	3320	3990	3420	3990	2000	492	441	1090	9
10	3200	1720	1720	2110	3840	3610	3460	3120	1970	474	485	1110	10
11	3220	1680	1670	2430	3810	3300	3620	2700	1900	530	492	1120	11
12	2690	1740	1610	1980	3290	3220	3750	2690	1560	570	530	1140	12
13	2300	2190	1550	1720	3770	5110	3710	2660	1430	570	511	1210	13
14	2720	2610	1530	1840	5910	6630	3490	4090	1410	576	518	1180	14
15	3140	1880	1530	2780	3650	6000	3380	3680	1410	628	530	1160	15
16	3030	1670	1560	3010	3140	5720	3160	3210	1650	550	537	1110	16
17	2910	1520 *	1600	2600	4790	8530	2950	3120	1690	524	544	1320	17
18	3020	1460	1660	3500	10200	6850	2840	4140	1600	530	544	1150	18
19	2720	1560	1590	2930	7220	5500	2660	4200	1590	524	628	1000 E	19
20	2900	1640	1590	2440	19000	4780	2550	4120	1720	524	806	1000 E	20
21	2860	1640	1590	2240	21100	4420	2520	3230	1830	518	848	1000 E	21
22	2360	1600	1590	2160	20200	4180	2480	3350	1930	511	869	1000 E	22
23	2420	1590	1500	2140	15000	4050	2580	4090	2190	474	883	1000 E	23
24	2510	1580	1470	2150	15000	3950	2740	4300	2190	446	890	1000 E	24
25	2860	1770	1450	2200	10800	3910	2760	4340	2000	458	883	1000 E	25
26	2790	1850	1460	2190	8490	4140	2820	4400	1480	452	862	1000 E	26
27	3000	1850	1490	2120	7370	4160	2910	4520	1110	452	990	1000 E	27
28	3010	1900	1460	2090	6740	3980	3070	4440	967	452	1010	1000 E	28
29	2400	1960	1320	2180	6050	4000	3070	4330	915	458	997	1000 E	29
30	2230	1920	1480	5810 *		4290	3390	3940	967	463	967	1000 E	30
31	2670		1470	7350		4540		3810		463	945		31
MEAN	3000	2170	1650	2390	7520	4610	3320	4040	1960	538	665	1050	MEAN
MAX.	4570	3760	2180	7350	21100	8350	4690	5820	3570	930	1010	1320	MAX.
MIN.	1850	1460	1320	1470	3140	3220	2480	2660	915	446	441	945	MIN.
AC. FT.	184700	129100	101400	147000	432500	283500	197700	248500	116900	35070	40910	62280	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR OBSERVATION  
OF NO FLOW MADE THIS DAY

† - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
2724	24200	45.65	2	21	2400	420	31.08	8	7	2300	1,978,000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 04 44	121 36 08	NE 11 14N 3E		76.8	12-24-1955	JUN 44-OCT 45 † JAN 46-DATE	NOV 26-MAY 35 # OCT 37-MAY 39 NOV 39-JUL 41 NOV 41-JUL 43 # OCT 43-DATE	1926	1926	0.00 -3.01	USED USCGS

Station located approximately 4 miles south of Yuba City. Flow partly regulated by reservoirs and powerplants. Drainage area is 5,337 square miles.

† - Irrigation season only.  
# - Flood season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02903	SACRAMENTO WEIR SPILL TO YOLO BYPASS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

NO FLOW

WATER YEAR SUMMARY

- E - ESTIMATED
- NR - NO RECORD
- \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY
- ! - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
			118,000 E	32.8	3-26-1928	1926-DATE					

See Sacramento River at Sacramento Weir for stage record and location. Elevation of fixed crest of water is 24.5\* feet, USED Datum; elevation of movable crest (top of needles) is 30.5\* feet, USED Datum. There are 48 gates, each 38 feet in length.

\* From 1964 surveys. Previously listed as 25.0 and 31.0, respectively.



TABLE B-5

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A00047	DRY CREEK AT ROSEVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	26	23	42	32	78	55	53	14	22	14	10	3.1	1
2	35	21	29	33	71	54	78	15	19	8.0	7.8	4.2	2
3	42	20	27	33	65	50	59	17	16	8.8	9.6	6.0	3
4	53	20	46	31	56	43	51	20	17	10	8.6	5.9	4
5	50	26	63	31	53	40	40	27	23	8.2	10	8.4	5
6	50	28	40	32	50	39	45	26	29	9.0	7.5	7.0	6
7	44	29	46	32	46	49	42	28	56	9.5	6.6	11	7
8	40	32	44	34	44	130	39	29	50	11	8.2	14	8
9	35	35	33	36	44	76	35	28	45	11	7.2	16	9
10	32	33	31	108	47	53	32	29	39	7.3	7.1	17	10
11	29	32	31	71	43	45	31	29	33	6.1	9.2	13	11
12	25	33	33	43	46	46	27	35	31	6.1	10	15	12
13	22	36	32	39	43	135	24	44	28	7.9	13	16	13
14	20	47	28	44	41	154	23	61	23	8.6	16	15	14
15	23	40	26	141	40	131	25	51	20	8.7	14	21	15
16	24	33	29	87	49	213	25	45	19	9.2	12	23	16
17	18	27	28	54	96	161	27	39	16	8.2	12	20	17
18	20	26	29	45	83	97	24	35	13	7.5	8.4	15	18
19	26	36	30	41	118	77	22	35	11	7.2	21	14	19
20	22	35	31	41	513	68	23	34	11	7.4	30	17	20
21	20	31	29	39	313	60	25	32	9.9	8.2	27	19	21
22	22	30	29	38	161	57	28	34	7.7	8.6	26	22	22
23	23	29	30	36	123	52	17	36	8.6	4.4	21	22	23
24	21	29	31	34	104	48	19	38	9.0	4.6	16	22	24
25	29	26	32	33	83	46	18	42	6.4	6.8	15	20	25
26	22	24	33	32	74	44	20	44	5.9	8.4	15	19	26
27	29	24	34	31	67	44	19	34	7.2	7.4	12	19	27
28	22	29	31	31	65	42	18	27	7.8	9.0	11	18	28
29	26	35	31	32	59	42	15	22	11	9.1	7.7	19	29
30	25	54	30	152		42	12	21	17	7.6	4.2	23	30
31	22		30	142		41		22		9.5	3.3		31
MEAN	30.4	30.8	33.5	51.9	92.2	72.1	30.7	32.0	20.4	8.3	12.5	15.5	MEAN
MAX.	68.0	54.0	63.0	152	513	213	78.0	61.0	56.0	14.0	30.0	23.0	MAX.
MIN.	12.0	20.0	26.0	31.0	40.0	39.0	12.0	14.0	5.9	4.4	3.3	3.1	MIN.
AC. FT.	1866	1831	2059	3189	5306	4431	1829	1970	1213	510	766	922	AC. FT.

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 # - E AND R

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	
35.7	83*	10.83	02 20 0730	1.1	6.51	09 02 0015	25892

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 44 40	121 16 57	SE 2 10N 6E	834	10.83	2-20-1968	APR 1966-DATE	APR 1966-DATE	1966		0.00	LOCAL

Station located 100 feet above Douglas Street bridge. Tributary to Sacramento River via Back Borrow Pit of Reclamation District 1000 and Linda Creek.

TABLE B-5 (Cont.)  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02100	SACRAMENTO RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	15900	15900	14900	14800	37500	65800	21000	10200	10300	12100	12900	11400	1
2	15200	16900	14900	14500	36100	64800	21100	10500	10000	12300	12900	11300	2
3	15100	17100	15400	14600	33400	62900	21600	10900	9780	12100	12800	11000	3
4	17400	16800	15800	14300	34200	60500	21200	11700	10500	12300	13200	11400	4
5	17800	16000	18300	14100	34900	56700	20000	12800	10600	12600	13200	11400	5
6	17700	15200	19600	13800	32400	55300	19200	13800	10500	12800	12800	11900	6
7	17400	14600	21200	13500	30400	44800	18500	14100	11900	13400	12800	12300	7
8	17200	14700	20900	13200	28300	40400	18000	13600	12700	13100	12900	12900	8
9	16800	14500	21100	13100	26900	36900	16900	13500	13100	12500	12700	13300	9
10	17200	13600	20900	13700	24800	34000	15800	13400	13200	12500	12800	13900	10
11	16500	13400	19700	15500	24800	32100	15500	13000	12900	12500 *	12900	14300	11
12	16600	13200	18300	24000	24400	30000	15000	13300	12700	12500	13100	14600	12
13	15900	13200	17600	23700	23500	29400	15000	13700	11900	12500	12800	15000	13
14	15400	13600	17200	20000	23900	31500	14800	14500	11100	12800	12900	14900	14
15	15800	14100	16900	19100	23900	34100	14100	15800	11000	13100	12700	15000	15
16	16000	13900	16900	28400	22000	34200	13200	15500	10900	12900	13000	14600	16
17	16000	14700	16800	33800	21800	34900	12400	14700	11000	12500	12900	14400	17
18	16000	14900	16700	34700 *	25200	36800	11600	14100	11200	12200	13100	14200	18
19	15900	15100	16800	33400	34200	36100	10900	14100	10900	12000	13100	13800	19
20	15800	14900	17000	29800	40200	33300	10300	14000	10700	12100	12600	13300	20
21	15700	14100	17000	26600	51100	29800	10200	14100	10900	12100	12800	13200	21
22	15600	14100	16600	25000	59700	27300	10400	13600	11200	12200	13500	13300	22
23	15200	14100	16100	23000	63300	25700	10600	14100	11600	12500	14800	13300	23
24	15600	14000	16000	19900	65000	24500	10600	14200	11500	12500	14700	13100	24
25	15700 *	14000	15700	18600	66200	23800	10500	14200	11200	12400	13900	13000	25
26	15900	14200	15600	17900	66100	23300	10600	13800	11400	12600	13400	12700	26
27	16100	14000	15800	17200	66200	22700	11300	13600	11100	12900	13100	12600	27
28	16300	14000	15900	16600	66600 *	22000	11500	13100	11500	13200	12800	12500	28
29	16100	14400	15800	16700	66600	21100	11000 *	12500	11400	13400	12600	12500	29
30	15600	14600	15600	19000	19000	20800	10300	11500	11900	13000	11800	12500	30
31	15400		15500	32300		21000		10900		12800	11600		31
MEAN	16150	14590	17180	20480	39780	36020	14440	13320	11350	12590	13000	13120	MEAN
MAX.	17800	17100	21200	34700	66600	65800	21600	15800	13200	13400	14800	15000	MAX.
MIN.	15100	13200	14900	13100	21800	20800	10200	10200	9780	12000	11600	11000	MIN.
AC. FT.	993300	868400	1056000	1259000	2288000	2215000	859000	818800	675500	774300	799500	780700	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
18,440	66,800	20.80	2	29	0930		2.17	6	3	2045	13,390,000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 35 20	121 30 15	NW 35 9N 4E	104,000	30.14	11-21-1950	1904-1905	JAN 04-JUL 05	1904	1956	0.12	USCGS
						JUN 21-NOV 21	20-DATE	1956		0.00	USCGS
						MAY 24-DEC 42 †		1956		2.98	USED
						MAY 43-DATE			1965	-0.23	USCGS
										0.00	USCGS

Station located 1,000 feet above I Street bridge, 0.5 mile below the American River. Below approximately 30,000 cfs the stage-discharge relationship is affected by tidal influence. Maximum discharge listed at site and datum then in use. Records furnished by USGS. Drainage area is 23,530 square miles.

† - Irrigation season only.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A81810	MIDDLE CREEK NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.9	1.4	1.6	5.2	179	94	58	10	5.2	0.5	0.0	1.6	1
2	1.6	1.4	1.6	4.3	667	82	53	9.5	4.8	0.5	0.0	1.8	2
3	1.4	1.4	139	3.3	580	69	48	9.5	4.8	0.5	0.0	1.6	3
4	1.4	1.4	98	2.6	410	62	44 *	9.5	4.3	0.5	0.0	1.4	4
5	1.6	1.4	247	2.3	345	58	42	8.3	3.9	0.4	0.2	1.0	5
6	1.4	1.1	67	1.8	301	53	39	7.8	3.9	0.4	0.5	0.5	6
7	1.4	1.1	136 *	1.1	247	56	37	7.8	3.6	0.1	0.1	0.5	7
8	1.4	1.1 *	45	1.1	186	60	34	8.9	3.6	0.0	0.4	0.7	8
9	1.4	1.4	24	3.3	146	48	33	11	3.3	0.0	0.3	0.5	9
10	1.6 *	1.1	16	520	124	42	31	10	2.6	0.0	0.2	0.4	10
11	1.6 E	1.1	13	127 *	102	39	30	10	2.6	0.1	0.0	0.5	11
12	1.6 E	1.1	9.5	60	85	202	28	10	2.3	0.0	0.0	0.2	12
13	1.6 E	1.4	7.2	53	74	244	27	10	2.1	0.0	0.0	0.2	13
14	1.6 E	2.1	5.7	934	63	278	25	11	1.8	0.2	0.0	0.4	14
15	1.6 E	1.1	4.8	959	58	212	24	12 *	1.6	0.4	0.0	0.5	15
16	1.6 E	1.1	3.9	506	92	603	21	11	1.6	0.7 *	0.0	0.7	16
17	1.6 E	1.1	3.6	283	175	476	20	10	1.4	0.6	0.0	1.0	17
18	1.6	1.1	32	168	127	330	19	8.9	1.4 *	0.7	0.0	0.7	18
19	1.4	1.1	20	112	464	242	18	8.3	1.1	0.2	0.0	0.5	19
20	1.4	1.1	12	82	854	220	18	8.3	0.9	0.0	0.8	0.2	20
21	1.4	1.1	8.3	65	935	182	17	8.3	0.7	0.0	1.4	0.2	21
22	1.6	1.1	6.7	49	634	124	15	8.3	0.6	0.0	1.6	0.5	22
23	1.4	1.1	6.7	39	509	112	14	8.3	0.5	0.0	1.6	0.5	23
24	1.4	1.1	15	34	365	92	13	8.3	0.5	0.0	1.4	0.5	24
25	1.4	1.4	20	31	270	94	13	8.3	0.4	0.0	1.1	0.4	25
26	1.4	1.4	17	27	209	82	13	8.3	0.4	0.0	1.1	0.4	26
27	1.4	1.4	13	24	164	74	13	8.3	0.4	0.0	1.4 *	0.3	27
28	1.1	1.4	11	24	134 *	65	12	8.3	0.4	0.0	1.6	0.2	28
29	1.1	2.1	8.9	362	115	60	11	6.7	0.4	0.0 *	1.6	0.2	29
30	1.1	2.1	7.2	433 *	56	56	10	6.1	0.5	0.0	1.6	0.2	30
31	1.1		6.1	205	53	53		5.7		0.0	1.6		31
MEAN	1.4	1.3	32.5	165	297	144	26.0	8.9	2.1	0.2	0.6	0.6	MEAN
MAX.	1.6	2.1	247	959	935	603	58	12	5.2	0.7	1.6	1.8	MAX.
MIN.	0.9	1.1	1.6	1.1	58	39	10	5.7	0.4	0.0	0.0	0.2	MIN.
AC. FT.	87	78	1997	10160	17090	8854	1547	549	122	12	37	36	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR OBSERVATION  
OF NO FLOW MADE THIS DAY

‡ - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	
55.9	2130	9.75	1 14 1700	0.0		7 8 1200	40560

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 10 59	122 54 39	NEL 15N 10W				OCT 48-SEP 53 MAR 59-SEP 59 AUG 62-DATE	OCT 48-DATE	1959	1962	1353.6	USCGS 0.00 LOCAL

Station located at Ranchera Road bridge, 1.3 mi. N of Upper Lake. Tributary to Clear Lake.

TABLE B-5 (Cont.)

**DAILY MEAN DISCHARGE**  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A81850	SCOTTS CREEK NEAR LAKEPORT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	4.8	232	76	49	10	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	4.3	566	64	42	9.3	0.0	0.0	0.0	0.0	2
3	0.0	0.0	148	3.5	378	54	36	8.9	0.0	0.0	0.0	0.0	3
4	0.0	0.0	28	3.8	248	49	34 *	8.5	0.0	0.0	0.0	0.0	4
5	0.0	0.0	186	4.0	178	48	32	8.1	0.0	0.0	0.0	0.0	5
6	0.0	0.0	37	3.8	132	43	30	7.7	0.0	0.0	0.0	0.0	6
7	0.0	0.0	145	3.8	105	63	29	7.7	0.0	0.0	0.0	0.0	7
8	0.0	0.0 *	44	4.8	87	71 *	28	7.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	18	7.0 *	74	48	26	6.6	0.0	0.0	0.0	0.0	9
10	0.0 *	0.0	11	1000 E	71	41	24	6.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	7.7	150 E	60	37	24	5.7	0.0	0.0	0.0	0.0	11
12	0.0	0.0	4.3	90 E	55	240	23	5.7	0.0	0.0	0.0	0.0	12
13	0.0	0.0	3.5	83 E	48	278	22	6.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	2.3	690 E	42	289	22	7.7	0.0	0.0	0.0	0.0	14
15	0.0	0.0	2.5	600 E	39	242 *	22	6.0 *	0.0	0.0 *	0.0	0.0	15
16	0.0	0.0	2.3	275 E	115	586	21	4.8	0.0	0.0	0.0	0.0	16
17	0.0	0.0	2.9	180 E	255	370	20	4.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	94	130 E	175	251	18	3.5	0.0 *	0.0	0.0	0.0	18
19	0.0	0.0	57	105 E	887	186	18	3.5	0.0	0.0	0.0	0.0	19
20	0.0	0.0	28	85 E	925	155	16	4.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	17	75 E	676	125 *	15	3.8	0.0	0.0	0.0	0.0	21
22	0.0	0.0	14	65 E	427	111	13	4.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	12	57 E	303	103	13	3.3	0.0	0.0	0.0	0.0	23
24	0.0	0.0	12	54 E	223	82	13	2.9	0.0	0.0	0.0	0.0	24
25	0.0	0.0	12	50 E	167	76	13	2.9	0.0	0.0	0.0	0.0	25
26	0.0	0.0	11	49 E	136	67	12	2.5	0.0	0.0	0.0	0.0	26
27	0.0	0.0	8.5	47 E	113	57	12	1.8	0.0	0.0	0.0	0.0	27
28	0.0	0.0	7.4	70 E	98 *	50	11	1.2	0.0	0.0	0.0	0.0	28
29	0.0	0.0	6.3	3100 E	84	44	11	0.2	0.0	0.0	0.0	0.0	29
30	0.0	0.0	5.7	950 *		40	11	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	4.8	342		38		0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	30.1	267 E	238	129	22.0	5.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	186	3100 E	925	586	49	10	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	3.8	39	37	11	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	1850	16440 E	13680	7900	1310	304	0.0	0.0	0.0	0.0	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR OBSERVATION  
OF NO FLOW MADE THIS DAY

# - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
57.3	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	41460
	NR					0.0		10	1		

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 03 44	122 56 53	SW14 14N 10W				OCT 48-SEP 53 MAR 59-DATE	OCT 48-DATE	1948		0.00	LOCAL

Station located at Hartley Cemetery Road bridge, 0.8 mi. NW of Lakeport. Tributary to Clear Lake via Middle Creek. Record listed is not considered to have the same degree of accuracy as other records published in this report. Drainage area is 52.3 sq. mi.

Peak discharge for 1965-66 water year revised from 10,000 cfs to 6,000 cfs on 1-4-66.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A81360	COPSEY CREEK NEAR LOWER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.3	0.3	1.1	0.6	32	12	12	1.6	0.8	0.3	0.0	0.0	1
2	0.7	0.3	1.0	0.6	85	10	7.2	1.6	0.8	0.5	0.0	0.0	2
3	0.6	0.3	11	0.6	36	9.6	5.2	1.6	1.0	0.5	0.0	0.0	3
4	0.4	0.3	31	0.6	26	9.2	4.7 *	1.6	1.0	0.3	0.0	0.0	4
5	0.5	0.3	8.9	0.6	20	8.8	4.7	1.6	1.0	0.3	0.0	0.0	5
6	0.4	0.3	1.7	0.6	17	8.4	4.4	1.3	0.9	0.2	0.0	0.0	6
7	0.4	0.3 *	30 *	0.6	15	8.8	4.1	1.3	0.6	0.2	0.0	0.0	7
8	0.3	0.4	2.4	0.7	14	8.8	3.9	1.3	0.5	0.1	0.0	0.0	8
9	0.3 *	0.5	1.2	1.1 *	13	8.0	3.6	1.3	0.5	0.2	0.0	0.0	9
10	0.3	0.5	0.8	219	12	6.9	3.4	1.3	0.5	0.2	0.0	0.0	10
11	0.3	0.5	0.7	15	12	6.9	3.4	1.3	0.5	0.1	0.0	0.0	11
12	0.3	0.5	0.6	11	11	25	3.4	1.3	0.5	0.1	0.0	0.0	12
13	0.3	1.1	0.6	14	10	37	3.2	1.4	0.5	0.1	0.0	0.0	13
14	0.2	1.4	0.5	223	9.6	37	3.0	1.4	0.5	0.1	0.0	0.0	14
15	0.2	0.6	1.0	138	9.2	20	3.0	1.2 *	0.4	0.1 *	0.0	0.0	15
16	0.3	0.5	0.9	40	201	171	2.8	1.2	0.3	0.2	0.0	0.0	16
17	0.3	0.5	0.8	21	262	33	2.8	1.0	0.3 *	0.2	0.0	0.0	17
18	0.3	0.5	4.4	16	48	20	2.8	1.0	0.2	0.1	0.0	0.0	18
19	0.3	0.6	2.4	13	201	17	2.4	1.0	0.3	0.1	0.1	0.0	19
20	0.3	0.6	1.6	10	97	14	2.4	1.0	0.5	0.1	0.2	0.0	20
21	0.3	0.6	0.9	9.2	95	13 *	2.2	0.9	0.6	0.1	0.4	0.0	21
22	0.4	0.5	0.8	8.4	42	12	2.2	1.0	0.6	0.1	0.2	0.0	22
23	0.4	0.6	0.7	7.6	29	11	2.2	1.0	0.5	0.0	0.1	0.0	23
24	0.3	0.7	0.7	7.6	24	9.6	2.2	1.1	0.5	0.1	0.1	0.0	24
25	0.3	0.7	0.6	7.2	19	8.8	2.2	1.1	0.5	0.0	0.1	0.0	25
26	0.3	0.7	0.6	6.9	17	8.4	2.2	1.0	0.5	0.0	0.1	0.0	26
27	0.3	0.7	0.6	6.9	14 *	7.2	2.0	1.0	0.5	0.0	0.1 *	0.0	27
28	0.3	0.9	0.6	12	13	6.5	1.9	1.0	0.4	0.0	0.1	0.0	28
29	0.3	1.4	0.6	918	12	6.5	1.7	0.9	0.4	0.0	0.1	0.0	29
30	0.2	1.6	0.6	245		6.5	1.7	0.9	0.4	0.0	0.0	0.0	30
31	0.3		0.6	53 *		6.9		0.9		0.0	0.0		31
MEAN	0.3	0.6	3.9	64.8	48.1	18.3	3.4	1.2	0.6	0.1	0.1	0.0	MEAN
MAX.	0.7	1.6	31	918	262	171	12	1.6	1.0	0.5	0.4	0.0	MAX.
MIN.	0.2	0.3	0.5	0.6	9.2	6.5	1.7	0.9	0.2	0.0	0.0	0.0	MIN.
AC. FT.	21	37	238	3982	2768	1126	204	74	33	8.5	3.2	0.0	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION  
OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	
11.7	1450	9.85	1 29 2030	0.0		7 14	8495

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 53 21	122 35 47	NE14 12N 7W	2340 E	14.15	1-30-63	JAN 60-DATE	JAN 60-DATE	1960		0.00	LOCAL

Station located 75 ft. below Spruce Grove Road bridge, 1.7 mi. SE of Lower Lake. Tributary to Cache Creek. Drainage area is 13.2 sq. mi.

TABLE B-5

**DAILY MEAN DISCHARGE**  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	481250	BEAR CREEK NEAR RUMSEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.4	2.6	5.5	4.3	133	65	46	9.9	2.9	3.3	4.0	2.7	1
2	2.0	2.6	4.0	4.4	763	62	56	9.7	3.0	3.2	4.0	2.6	2
3	3.1	2.6	15	4.3	377	56	47	9.0	2.9	3.4	4.1	2.7	3
4	2.4	2.7	27	4.1	170	53	42	8.6	2.9	3.3	4.1	2.7	4
5	2.4	2.8	40	4.0	127	51	39	8.3	3.0	3.3	4.0	2.6	5
6	2.5	2.9	11	4.0	121	47	37	8.0	3.5	3.3	3.9	2.6	6
7	2.2	2.9	13	4.0	102	49	33	7.7	3.1	3.3	3.8	2.4	7
8	2.1	2.9	9.2	4.5*	85	64	31	7.5	3.0	3.3	3.8	2.4	8
9	2.1	2.9	6.3	5.4	77	62	30	7.2	3.0	3.4	3.7	2.4	9
10	2.2	2.8	5.4	247	71	53	28	7.0	2.9	3.4	3.8	2.4	10
11	2.2	2.8	4.9	59	63	47	28	6.5	2.9	3.4	3.7	2.3	11
12	2.2	2.9	4.5	25	57	94	27	6.3	2.9	3.4	3.6	2.2*	12
13	2.1	3.2	3.9	20	53	178	25	6.6	2.9	3.4	3.6	2.3	13
14	2.0	5.3	3.5	485	49	88	24	9.1	2.9	3.4	3.4	2.1	14
15	1.7	5.2	3.8	501	44	78	23	7.6	2.9	3.5	3.5	2.0	15
16	1.8	3.8	4.5	98	160	503	22	5.7	2.9	3.6	3.5	2.0	16
17	2.0	3.2	4.4	50	814	156	21	4.8	2.9	3.6	3.4	2.0	17
18	2.1	3.1	15	33	168	99	20	4.5	2.9	3.6	3.4	1.9	18
19	2.2	3.2	14	25	567	86	20	4.5	2.9	3.6	3.3	1.9	19
20	2.3	3.2	6.8	21	515	80	18	4.6	3.0	3.6	3.3	1.8	20
21	2.4	2.8	5.5	17	337	76	17	4.3	3.1	3.7	3.1	1.8	21
22	2.6	2.5*	5.0	15	161	71	15	4.2	3.1	3.8	3.3	1.8	22
23	2.6	2.5	4.6	12	127	66	15	4.6	3.1	3.8	3.1	1.8	23
24	2.6	2.6	4.3	11	108	61	10	4.6	3.1	3.8	3.0	1.6	24
25	2.6	2.6	4.1	11	94	57	15	4.6	3.1	3.8	3.1	1.6	25
26	2.5	2.6	4.2	11	84	53	14	4.2	3.1	3.8	2.9	1.6	26
27	2.6	2.5	4.4	10	79	50	12	4.1	3.3	3.8	2.9	1.5	27
28	2.8	2.7	4.6	10	73	48	12	4.0	3.3	4.0	2.9	1.4	28
29	2.7	3.9	4.3	3,360	67	46	11	3.7	3.3	4.0	2.8	1.4	29
30	2.5	5.9	4.3	1,490		43	11	3.2	3.3	4.0	2.8	1.2	30
31	2.5*		4.3	236		41		3.0		4.0	2.7		31
MEAN	2.3	3.1	8.1	218	194	83.3	25.2	6.1	3.0	3.6	3.4	2.1	MEAN
MAX.	3.1	5.9	40.0	3,360	814	503	56.0	9.9	3.5	4.0	4.1	2.7	MAX.
MIN.	1.4	2.5	3.5	4.0	44.0	41.0	11.0	3.0	2.9	3.2	2.7	1.2	MIN.
AC. FT.	142	187	498	13460	11199	5123	1498	372	181	220	211	122	AC. FT.

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 = - E AND R

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
45.8	7810	11.07	01	29	2030	0.6	0.85	12	14	1230	33213

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD				DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
38 56 38	122 20 34	SW 30 13N 4W	9,720	11.93	1-5-1965	SEPT 1955-DATE	SEPT 1955-DATE	1955		0.00	LOCAL	

Station located 7.3 miles northwest of Rumsey, 1.4 miles above mouth. Tributary to Cache Creek. Drainage area is 100 square miles.



TABLE B-5

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A81200	CACHE CREEK ABOVE RUMSEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	108	59	34	49	1,780	596	291	559	558	520	460	366	1
2	107	58	37	49	4,840	1,130	333	553	514	505	460	351	2
3	105	58	58	45	4,380	1,100	274	522	511	520	461	348	3
4	86	59	133	40	3,500	956	250	511	548	499	458	356	4
5	81	60	400 E	37	1,240	606	237	489	564	481	430	388	5
6	79	60	410 E	34	1,100	568	225	484	558	474	405	362	6
7	77	63	323	34	999	349	211	507	549	477	395	347	7
8	76	66	391	34	854	371	200	567	524	505	401	307	8
9	77	54	162	39 *	734	326	191	544	493	544	432	276	9
10	66	44	109	1,360	663	272	183	512	481	543	424	266	10
11	60	39	84	541	578	265	176	508	494	557	394	247	11
12	59	32	73	257	514	390	224	500	490	556 *	414	225 *	12
13	58	32	66	194	458	2,080	297	470	482	621	438	212	13
14	56	45	60	1,220	421	2,550	294	459	456	598	410	211	14
15	57	47	46	3,220	379	2,440	290	379	470	559	363	207	15
16	57	42	47	1,120	528	3,560	318	423	475	560	361	190	16
17	57	41	48	694	2,370	2,910	317	455	491	528	356	190	17
18	57	39	67	470	1,290	2,680	385	487	519	495	330	186	18
19	58	38	120	356	2,040	2,820	428	472	579	479	330	186	19
20	59	37	95	288	5,030	3,230	422	465	577	478	339	149	20
21	59	33	72	245	5,010	2,970	387	433	571	460	332	145	21
22	59	19 *	62	212	4,280	2,560	385 *	457	558	455	276	144	22
23	59	15	59	184	3,990	1,500	451	513	518	438	223	144	23
24	59	14	56	166	3,720	1,450	490	521	483	413	217	144	24
25	60	14	51	155	3,500	1,430	483	488	485	428	244	156	25
26	59	13	55	145	3,320	1,400	486	469	494	443	272	182	26
27	59	13	60	138	2,450	1,310	549	507	467	418	294	184	27
28	59	13	58	135	648	374	551	589	498	431	293	155	28
29	60	19	55	8,970	561	321	527	604	506	432	274	144	29
30	59	27	52	5,740 *		298	544	583	497	415	295	142	30
31	59		49	1,590 *		280		568		461	327		31
MEAN	67.5	38.4	109	895	2,109	1,390	346	503	513	494	358	230	MEAN
MAX.	108	66.0	410 E	8,970	5,030	3,560	551	604	579	621	461	388	MAX.
MIN.	56.0	13.0	34.0	34.0	379	265	176	379	456	413	217	142	MIN.
AC. FT.	4153	2287	6728	55063	121343	85472	20626	30938	30565	30373	22032	13706	AC. FT.

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 # - E AND R

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
583.1	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	423290
	23200	15.38	01	29	2145	13.0	0.98	11	25	0345	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 54 47	122 16 14	SE 2 12N 4W	26,700 E	18.30 E	1-31-1963	OCT 59-SEPT 63 JUN 65-DATE	OCT 59-DATE	1959		0.00	LOCAL

Station located 0.4 mile below State Highway 16 bridge, 2.5 miles northwest of Rumsey. Flow regulated by Clear Lake. Maximum discharge of record listed is for the period October 1959 to September 1963 and June 1965 to date. Drainage area is 955 square miles.

TABLE B-5

**DAILY MEAN DISCHARGE**  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A95010	POPE CREEK NEAR POPE VALLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.5	0.9	4.2	1.9	225	69	52	11	3.2	0.5	0.3	0.0	1
2	0.9	0.9	2.7	1.9	329	64	50	11	2.7	0.6	0.2	0.0	2
3	1.2	0.9	97	1.7	247	57	43	11	2.6	0.6	0.2	0.0	3
4	0.6	0.9	96	1.6	177	54	40	11	2.1	0.6	0.2	0.0	4
5	0.9	0.7	102	1.6	142	51	39	11	2.3	0.6	0.2	0.0	5
6	0.8*	1.1	22	1.7	118	49	36	10	3.0	0.5	0.1	0.0	6
7	0.7	1.2*	79	1.7	102	50	34	11	2.7	0.5	0.1	0.0	7
8	0.9	1.2	28	1.9	90	54	31	14	2.2	0.5	0.1	0.0	8
9	0.7	1.3	14	2.9	81	45	30	14	2.2	0.5	0.1	0.0	9
10	0.6	1.3	9.4	620	73	41	27	12	2.1	0.5	0.1	0.0	10
11	0.6	1.3	6.8	75	64	39	26	11	1.9	0.4	0.1	0.0	11
12	0.6	1.3	5.1	35	60	265	27	11	1.9	0.4	0.0	0.0	12
13	0.5	1.6	3.7	30	56	315	25	11	2.1	0.3	0.0	0.0	13
14	0.4	2.7	3.0	285	52	270	24	13	2.2	0.3	0.0	0.0	14
15	0.3	2.3	2.7	572	50	179	24	11	2.2	0.3*	0.0	0.0	15
16	0.3	1.9	2.4	109	71	722	22	10	2.0	0.3	0.0	0.0	16
17	0.3	1.7	2.7	50	347	300	21	9.0	1.9*	0.4	0.0	0.0	17
18	0.4	1.6	12	33	200	196	21	8.7	1.8	0.4	0.0	0.0	18
19	0.4	1.5	14	25	904	145	20	8.5	1.6	0.4	0.0	0.0	19
20	0.4	1.4	8.5	20	779	118	20	7.9	1.5	0.4	0.0	0.0	20
21	0.4	1.3	6.1	17	643	100	19	7.4	1.4	0.5	0.0	0.0	21
22	0.5	1.1	5.0	15	317	90	18	7.3	1.3	0.5	0.0	0.0	22
23	0.5	1.2	4.4	13	247	81	17	7.3	1.2	0.5	0.0	0.0	23
24	0.5	1.3	3.9	12	185	73	17	6.7	1.1	0.5	0.0	0.0	24
25	0.7	1.2	3.4	11	142	68	16	6.7	0.9	0.5	0.0	0.0	25
26	1.5	1.1	3.0	10	114	63	14	6.4	0.8	0.5	0.0	0.0	26
27	0.6	1.1	2.6	9.7	94	59	13	5.8	0.8	0.5	0.0	0.0	27
28	0.7	1.3	2.3	9.6	83	55	12	5.0	0.7	0.4	0.0	0.0	28
29	0.7	3.8	2.1	2,670	73	52	12	4.6	0.6	0.4	0.0	0.0	29
30	0.6	6.0	2.0	1,530		49	11	4.2	0.5	0.4	0.0	0.0	30
31	0.7		1.9	360		44		3.7		0.3	0.0	0.0	31
MEAN	0.6	1.6	17.8	210	209	123	25.5	9.1	1.8	0.5	0.1	0.0	MEAN
MAX.	1.5	6.0	102	2,670	904	722	52.0	14.0	3.2	0.6	0.3	0.0	MAX.
MIN.	0.3	0.7	1.9	1.6	50.0	39.0	11.0	3.7	0.5	0.3	0.0	0.0	MIN.
AC. FT.	39	93	1095	12948	12030	7571	1517	560	106	29	3		AC. FT.

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 = - E AND R

MEAN		MAXIMUM				MINIMUM				TOTAL		
DISCHARGE		DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
49.6		5730	12.54	01	29	2200	0.0	2.55	12	14	0445	35990

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 37 48	122 19 52	SW 17 9N 4W	18,000 E	19.79	1-31-1963	DEC 1960-DATE	DEC 1960-DATE	1960		0.00	LOCAL

Station located 5.2 miles east of Pope Valley. Tributary to Lake Berryessa. Drainage area is 78.3 square miles.



**TABLE B-5 (Cont.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A 91160	PLEASANTS CREEK NEAR WINTERS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.1	0.6	0.3 *	0.4	4.5 *	3.2 *	2.4	0.5 *	0.1	0.0	0.0	0.0	1
2	0.1 *	0.6 *	0.3	0.4 *	4.7	2.9	2.5	0.6	0.1	0.0	0.0	0.0	2
3	0.2	0.1	0.4	0.4	2.9	2.6	2.2	0.5	0.1 *	0.0	0.0	0.0	3
4	0.1	0.1	0.5	0.4	2.4	2.5	2.0	0.5	0.1	0.0	0.0	0.0	4
5	0.1	0.1	0.6	0.4	2.1	2.4	1.8	0.5	0.1	0.0	0.0	0.0	5
6	0.1	0.2	0.3	0.5	1.8	2.4	1.8	0.6	0.1	0.0	0.0	0.0	6
7	0.1	0.2	0.6	0.5	1.6	2.5	1.8	0.5	0.1	0.0	0.0	0.0	7
8	0.1	0.2	0.4	0.5	1.6	2.6	1.6	0.5	0.1	0.0	0.0	0.0	8
9	0.1	0.2	0.3	0.5	1.4	2.2	1.6	0.5	0.1	0.0	0.0	0.0	9
10	0.1	0.2	0.3	3.5	1.5	2.0	1.6	0.5	0.1	0.0	0.0	0.0	10
11	0.1	0.2	0.4	1.6	1.4	1.8	1.6	0.5	0.1	0.0	0.0	0.0	11
12	0.1	0.2	0.5	0.9	1.3	8.2	1.4	0.5	0.1	0.0	0.0	0.0	12
13	0.1	0.3	0.5	0.8	1.2	13	1.3	0.6	0.1	0.0	0.0	0.0	13
14	0.1	0.4	0.5	1.1	1.2	7.4	1.3	0.8	0.1	0.0	0.0	0.0	14
15	0.2	0.3	0.6	3.2 *	1.2	5.6	1.3	0.7	0.0	0.0	0.0	0.0	15
16	0.2	0.2	0.6	1.8	17	32	1.2	0.6	0.0	0.0	0.0	0.0	16
17	0.3	0.2	0.7	1.1	78 *	11	1.1	0.5	0.0	0.0	0.0	0.0	17
18	0.3	0.3	0.9 *	0.8	15	6.6	1.1	0.4	0.0	0.0	0.0	0.0	18
19	0.2	0.3	0.6	0.8	31	4.9	1.1	0.4	0.0	0.0	0.0	0.0	19
20	0.2	0.3	0.5	0.7	43	4.2	1.0	0.4	0.0	0.0	0.0	0.0	20
21	0.2	0.3	0.4	0.7	34	3.9	1.0	0.4	0.0	0.0	0.0	0.0	21
22	0.3	0.3	0.4	0.7	14	3.6	1.0	0.4	0.0	0.0	0.0	0.0	22
23	0.3	0.3	0.4	0.7	9.3	3.4	0.9	0.4	0.0	0.0	0.0	0.0	23
24	0.3	0.3	0.4	0.7	6.6	3.2	0.9	0.4	0.0	0.0	0.0	0.0	24
25	0.3	0.3	0.4	0.7	5.4	3.0	0.8	0.4	0.0	0.0	0.0	0.0	25
26	0.3	0.3	0.4	0.7	4.5	2.9	0.7	0.3	0.0	0.0	0.0	0.0	26
27	0.3	0.3	0.4	0.6	4.2	2.6	0.6	0.3	0.0	0.0	0.0	0.0	27
28	0.3	0.3	0.4	0.6	3.7	2.6	0.6	0.2	0.0	0.0	0.0	0.0	28
29	0.4	0.6	0.4	97 E	3.4 *	2.4	0.6	0.2	0.0	0.0	0.0	0.0	29
30	0.5	0.5	0.4	95 E		2.4	0.5	0.2	0.0	0.0	0.0	0.0	30
31	0.6		0.4	10 *		2.3 *		0.2		0.0	0.0		31
MEAN	0.2	0.3	0.5	7.3	10.3	4.9	1.3	0.5	0.1	0.0	0.0	0.0	MEAN
MAX.	0.6	0.6	0.9	97 E	78	32	2.5	0.8	0.1	0.0	0.0	0.0	MAX.
MIN.	0.1	0.1	0.3	0.4	1.2	1.8	0.5	0.2	0.0	0.0	0.0	0.0	MIN.
AC. FT.	13	17	28	452	595	302	78	28	3	0	0	0	AC. FT.

**WATER YEAR SUMMARY**

E - ESTIMATED  
 HR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 ? - E AND \*

MEAN DISCHARGE	MAXIMUM DISCHARGE	MAXIMUM GAGE HT.	MO.	DAY	TIME	MINIMUM DISCHARGE	MINIMUM GAGE HT.	MO.	DAY	TIME	TOTAL ACRE FEET
2.1	404 E	5.21	1	29	2330	0.0		6	29	1600	1516

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 28 40	122 01 43	SE 1 7N 2W	4000 E	14.78	2-16-1959	NOV 51-JUNE 54 OCT 57-DATE	NOV 51-JUNE 54 OCT 57-DATE	1957		150.33	USCGS

Station located 1.0 mile above mouth, east of Pleasants Valley Road, 4.4 miles southwest of Winters. Tributary to Yolo Bypass via Putah Creek. Drainage area is 15.9 square miles. Operation of station turned over to USBR on October 1, 1968.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A 09160	PUTAH CREEK BELOW WINTERS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	36	0.0 *	3.8	48	51	46	451 *	39 *	39	37	0.0 *	12	1
2	52 *	0.0	2.0	48 *	52	47	462	38	41	9.2	0.0	18	2
3	45	0.0	2.8	48	48	47	419	38	40 *	7.3 *	0.0	21	3
4	3.0	0.0	4.0	49	46	48	379	36	42	6.3	0.0	21	4
5	0.0	0.0	3.9	49	47	50	336	35	42	3.3	0.0	22	5
6	0.0	0.0	4.5	50	47	51	306	35	42	2.1	0.0	22	6
7	0.0	0.0	4.9	50	46	54	273	35	43	1.3	0.0	22	7
8	0.0	0.0	5.0	42	45 *	55	257	35	44	1.5	0.0	23	8
9	0.0	0.0	5.0	18	47	61	214	35	43	1.3	0.0	23	9
10	1.4	0.0	5.0	1.5	48	72	156	35	39	1.4	0.0	20	10
11	3.4	0.0	5.2 *	0.0	51	63	125	35	3.9	1.4	0.0	21	11
12	2.8	0.0	5.3	0.0	52	76	98	37	0.0	1.3	0.0	22	12
13	3.6	0.0	5.6	0.0	54	253	98	35	0.0	1.3	0.0	21	13
14	3.4	0.0	5.8	1.9	55	369 *	100	34	0.0	1.3	0.0	21	14
15	3.6	0.0 *	5.6	9.1	58	496 *	105	30	0.0	1.2	0.0	20	15
16	3.6	0.0	5.8	4.0	64	745	90	29	0.0	2.3	0.0	18	16
17	0.0	0.0	5.8	4.2	138 *	1170 E	86	28	0.0	0.1	0.0	0.6	17
18	0.0	0.0	5.8	4.2	76	1230 E	83	28	16	0.0	0.0	0.0	18
19	0.0	0.0	10 *	4.2	77	1180 E	74	28	40	0.0	0.0	0.0	19
20	0.0	0.0	4.0	4.4	98	1100 E	72	32	46	0.0	0.0 *	0.0	20
21	0.0	0.4	2.8	4.4	77	981 E	71	40	43	0.0	0.0	0.0	21
22	0.0	2.7	0.0	4.5 *	86	954	66	42	42	0.0	0.0	0.0	22
23	0.0	2.8	0.0	4.6	48	860	48	43	42	5.6	0.0	0.0	23
24	0.0	4.5	0.0	4.5	45	803	46	40	42	9.6	0.0	0.0	24
25	0.0	7.5	0.0	4.4	45	749	46	40	42	9.6	0.0	0.0	25
26	0.0	7.9	2.1	4.2	46 *	669	43	40	42	10	0.0	0.0	26
27	0.0	8.3	4.1 *	4.1	46	608	42	40	42	10	0.0	0.0	27
28	0.0	1.3	4.4	4.0	47	544	42	39	45	11	0.0	0.0	28
29	0.0	0.0	4.4	5.8	47 *	513	41	39	42	8.1	0.0	0.0	29
30	0.0	2.2 *	4.5	5.12 *	496	496	39	39	43	0.3	0.0	0.0	30
31	0.0		4.6	2.7	467	467	39	39	43	0.2	0.0	0.0	31
MEAN	5.1	1.3	32.3	50.6	58.2	479	156	36.1	31.5	7.3	0.0	10.9	MEAN
MAX.	52	8.3	58	512	138	1230 E	462	43	46	37	0.0	23	MAX.
MIN.	0.0	0.0	0.0	0.0	45	46	39	28	0.0	0.0	0.0	0.0	MIN.
AC. FT.	313	75	1988	3111	3346	29470	9259	2218	1876	450	0	650	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 / - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
72.7	1307 E	8.52	3	17	1600	0.0		10	5	1000	52,760

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 31 47	121 55 21	NE 24 8N 1W	8730	15.71	1-5-1965	OCT 1957-DATE	OCT 1957-DATE	1957		75.06	USCGS

Station located at Boyce Orchard, 2.7 miles east of Winters. Operation of station turned over to USBR on October 1, 1968.



**TABLE B-5 (Cont.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A 09145	PUTAH CREEK ABOVE DAVIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	14	1.2	6.7	50	57	52	445	40 *	29	34	0.0	0.0 *	1
2	49 *	1.1 *	2.8	51 *	61	52	459 *	36 *	36	7.9	0.0	0.0	2
3	49	1.1	2.4	50	59	52	434	36	36 *	1.1 *	0.0	0.8	3
4	5.9	1.2	2.2	50	55	52	390	33	39	0.3	0.0	5.6	4
5	1.0	1.4	26	51	55	55	362	33	34	0.3	0.0	5.2	5
6	0.5	1.8	46	52	54	55	328	34	36	0.0	0.0	5.2	6
7	0.4	2.2	51	51	55	56	307	33	36	0.0	0.0	5.6	7
8	0.4	2.4	54	51	54 *	59	291	33	38	0.0	0.0	6.3	8
9	0.4	2.4	55	12	52	59	252	31	34	0.0	0.0	6.7	9
10	0.8	2.8	55	5.6	52	87	188	29	31	2.5	0.0	5.6	10
11	11	2.8	55	4.5	52	65	148	30	5.2	2.0	0.0	5.9	11
12	14	2.8	56	4.5	52	82	116	33	0.2	2.4	0.0	6.3	12
13	12	3.1	57	4.5	52	271	115	30	0.0	3.1	0.0	6.3	13
14	14	3.6	61	4.9	52	390	116	30	0.0	3.4	0.0	5.6	14
15	14	3.6	61	7.1	52	484 *	121	23	0.0	3.4	0.0	5.9	15
16	16	3.6	63	32	59	650	107	20	0.0	1.4	0.0	6.3	16
17	4.9	4.2	63	47	134 *	987 E	100	20	0.0	0.2	0.0	2.8	17
18	1.2	2.8	68	49	96	1030 E	99	17	0.0	0.0 *	0.0	0.5	18
19	0.8	1.6	22	50	74	995 E	88	14	23	0.0	0.0	0.0	19
20	0.8	1.6	5.6	52	124	941 E	87	17	33	0.0	0.0	0.0	20
21	0.7	1.4	4.5	52	92	874 E	87	36	33	0.0	0.0	0.0	21
22	0.7	1.4	3.9	54	118	834 E	83	38	31	0.0	0.0	0.0	22
23	0.6	3.4	2.8	55	54	770 E	61	41	32	0.0	0.0	0.0	23
24	0.6	5.6	2.4	56	52	733 E	56	36	36	0.0	0.0	0.0	24
25	0.5	5.9	2.0	56	49	683 E	56	36	36	0.0	0.0	0.0	25
26	0.7	6.3	5.6	57	52	624	54	34	36	0.4	0.0	0.0	26
27	0.7	6.7	43	56	52	575	52	36	34	1.4	0.0	0.0	27
28	0.8	5.6	46	57	51	530	51	36	33	0.8	0.0	0.0	28
29	0.8	3.1	47	83	52 *	504	49	34	39	2.8	0.0	0.0	29
30	0.8	2.6 *	49	518		492	44	32	38	1.0	0.0	0.0	30
31	1.1		50	83 *		459		28		0.0	0.0		31
MEAN	7.0	3.0	34.5	58.3	64.6	437	172	30.9	25.3	2.2	0.0	2.7	MEAN
MAX.	49	6.7	68	518	134	1030 E	459	40	39	34	0.0	6.7	MAX.
MIN.	0.4	1.1	2.0	4.5	51	52	44	14	0.0	0.0	0.0	0.0	MIN.
AC. FT.	433	177	2120	3582	3715	26880	10210	1902	1504	136	0	160	AC. FT.

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*

**WATER YEAR SUMMARY**

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE-HT.	MO.	DAY	TIME	ACRE FEET
70.0	1086 E	7.23	3	17	1800	0.0		6	15	1900	50,820

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 32 13	121 51 00	SW 15 8N 1E	8400	15.75	1-5-1965	MAY 52-NOV 53 † OCT 57-DATE	MAY 52-NOV 53 † OCT 57-DATE	1957		47.52	USCGS

Station located at Stevenson Road bridge, 6.0 miles west of Davis. Tributary to Yolo Bypass via South Fork Putah Creek. Operation of station turned over to USBR on October 10, 1968.

† - Irrigation season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A 09115	SOUTH FORK PUTAH CREEK NEAR DAVIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.0	0.9	0.8	40	42	56	473	48 *	25	39	0.8 *	0.2 *	1
2	36 *	0.9 *	0.8	41	52	52	487 *	44	28	22	0.7	0.4	2
3	45	0.9	0.8	41 *	48	50	455	41	28 *	2.9 *	0.6	1.1	3
4	11	0.8	1.0	41	47	50	404	31	32	0.6	0.5	1.2	4
5	1.4	0.7	1.1 *	42	46	49	384	33	30	0.8	0.7	1.1	5
6	0.9	0.7	22	42	45	49	345	33	32	0.7	0.8	0.9	6
7	0.6	0.8	38	41	46	50	320	33	36	0.5	0.9	0.8	7
8	0.4 *	0.8	40	42	45	50	297	30 *	34	0.9	0.8	0.5	8
9	0.5	0.9	42	22	45	45	274	28	36	0.9	0.9	1.8	9
10	0.7	0.9	43	6.0	46	74	214	25	27	0.8	0.7	3.7	10
11	0.8	0.8	45	2.8	45	53	174	25	13	0.9	0.5	3.0	11
12	0.8	0.6	43	1.9	45	64	140	28	1.6	0.9	0.7	2.8	12
13	1.4	0.6	45 *	2.6	46	204	136	32	0.7	0.6	0.7	1.5	13
14	9.0	0.8	49	1.8	45	349 *	138	30	0.8	0.5	0.9	1.4	14
15	7.5	0.9 *	50	4.1 *	47	514	142	25	0.4	0.9	0.8	1.7	15
16	8.1	0.9	51	14	52	777	135	18	0.6	1.1	0.8	4.2	16
17	6.5	0.9	52	35	94	1295	135	21	1.9	0.9	0.7	4.0	17
18	1.2	0.8	55	37	134	1348	129	16	0.7	0.9	0.5	2.0	18
19	0.9	0.6	27	38	61	1321	115	12	0.7	0.9	0.9	1.0	19
20	0.8	0.6	4.2	39	130	1263	106	21 *	2.5	0.7	0.9	0.9	20
21	0.6	0.8	1.7	39	81	1166	106	38	29	0.5	1.0	0.7	21
22	0.5	0.8	1.0	40	132	1117	95	48	32	0.9	0.9	0.5	22
23	0.6	0.6	0.5	41	62	1054	76	48	36	0.7	0.9	1.2	23
24	0.8	0.3	0.5	42	49	988	71	46	40	0.8	0.6	1.2	24
25	0.8	0.3	0.4	44	48	933	65	44	44	0.8	0.4	1.3	25
26	0.8	0.3	0.4	44	53	843	53	35	46	0.8	0.9	1.2	26
27	0.9	0.4	17	43	55	707	50	45	42	0.5	1.0	1.3	27
28	0.8	0.5	35	46	54	608	49	33 *	34	0.4	0.9	1.1	28
29	0.6	0.7	35	64	55 *	556	52	36	41	0.8	1.7	1.0	29
30	0.6	0.7 *	37	612	37	544	49	36	41	0.9	1.0	1.4	30
31	0.8		39	97		490		26		0.8	1.0		31
MEAN	4.6	0.7	25.1	53.1	60.3	539	189	32.5	23.9	2.8	0.8	1.5	MEAN
MAX.	45	0.9	55	612	134	1348	487	48	46	39	1.7	4.2	MAX.
MIN.	0.4	0.3	0.4	1.8	42	45	49	12	0.4	0.4	0.4	0.2	MIN.
AC. FT.	282	42	1544	3265	3471	33160	11240	2001	1420	169	50	89	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION  
OF NO FLOW MADE THIS DAY  
† - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	
78.2	1424	7.05	3 17 2100	0.0		9 1 1300	56,740

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 31 02	121 45 21	NE 28 8N 2E	8410	12.93	2-16-1959	OCT 1957-DATE	OCT 1957-DATE	1957		24.57	USCGS

Station located at Low Water bridge, 0.8 mile below U. S. Highway 40 bridge, 2.3 miles southwest of Davis. Tributary to Yolo Bypass. Operation of station turned over to USBR on October 1, 1968.



TABLE B-5 (Cont.)  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A02935	YOLO BYPASS NEAR WOODLAND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	21	11	22	12	5800	14000	368	0.0	3.4	0.0	0.0	21	1
2	19	12	20	10	4760	9400	397	0.0	3.4	0.0	0.0	18	2
3	19	12	17	12	6880	5080	332	0.0	3.4	0.0	0.0	18	3
4	17	12	13	12	8110	2640	270	0.0	3.4	0.0	0.0	18	4
5	18	16	17	12	7000	1650 *	244	0.0	3.4	0.0	0.0	20	5
6	19	12	15	19	4760	1200	186	0.0	3.4	0.0	0.0	19	6
7	21	12	18	21	3340	1050	113	0.0	3.4	0.0	0.0	18	7
8	29	13	25	34	2480	945	72 *	0.0	3.4	0.0	0.0	18	8
9	23	19	23	56	1860	782	51	0.0	3.4	0.0	0.0	18	9
10	30	19	20	62	1310	700	46	0.0 *	3.4	0.0	0.0	18	10
11	32	19	13	69	1020	582	58	0.0	3.4	0.0	0.0	19	11
12	24	12	12	282	832	498	62	0.0	3.4	0.0	0.0	20	12
13	25	11	11	299	662	765	44	0.0	3.3 *	0.0	0.0	21	13
14	16	12	12	261	552	1740	36	0.0	3.3	0.0	0.0	23	14
15	12	12	12	294	468	2200	31	0.0	3.3	0.0	0.0	23	15
16	9.0 *	12 *	19	1880	427	2320	30	0.0	5.6	0.0	0.0	21	16
17	9.0	12	17	1660	506	2950	27	0.0	7.2	0.0	0.0	21	17
18	7.8	12	12	1350	1820	2720	26	0.0	5.1	0.0	0.0	20	18
19	7.8	18	20	1020 *	2610	2420	30	0.0	2.1	0.0	0.0	20	19
20	12	15	21	851	3650	2370	27	0.0	0.6	0.0	2.1	20	20
21	14	17	19 *	685	6440	2500	29	0.0	0.2	0.0	11	19	21
22	14	16	15	462	7840	2410	27	0.0	4.1	0.0 *	18	18	22
23	12	19	13	275	10300	2180	27	0.0	7.2	0.0	20	11	23
24	12	13	13	200	14900	1560	31	259	6.1	0.0	20	2.1	24
25	16	12	11	156	18600	1340	29	217	1.2	0.0	20	11	25
26	18	16	8.4	136	18100	1240	29	75	0.1	0.0	21	85 *	26
27	19	12	9.6	118	19000	1190	24	19	0.1	0.0	21	116	27
28	20	15	17	99	19000	1120	19	3.4	0.0	0.0	22	44	28
29	18	16	17	88	17000 *	889	24	3.4	0.0	0.0	24 *	29	29
30	9.0	23	17	6680	560	560	16	3.4	0.0	0.0	24	25	30
31	7.8		18	9100	419	419		3.4		0.0	23		31
MEAN	17.1	14.4	16.0	846	6553	2304	90.2	18.8	3.01	0.0	7.29	25.1	MEAN
MAX.	32	23	25	9100	19000	14000	397	259	7.2	0.0	24	116	MAX.
MIN.	7.8	11	8.4	10	427	419	16	0.0	0.0	0.0	0.0	2.1	MIN.
AC. FT.	1050	857	986	52000	376900	141600	5370	1160	179	0	449	1500	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 # - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	
802	19600	24.76	2 28 0500	0.0		5 1	582,100

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 40 40	121 38 35	SE 28 10N 3E	272,000	32.00	2-8-1942	MAR 30-OCT 38 8 <sup>o</sup> JAN 1939-DATE	1940-1941 # 1941-DATE	1930	1941	0.73 0.00 -3.41	USED USED USCGS

Station located just above the Sacramento-Woodland Railroad bridge, 6 miles above the Sacramento Bypass, 7 miles below Fremont Weir, 7 miles east of Woodland. Supplementary water stage recorder, located 7 miles downstream, used for computations during periods of low flow. Stage-discharge relationship at supplementary recorder location at times affected by tidal action. Records furnished by U. S. Geological Survey

<sup>o</sup> - Irrigation season only.  
<sup>#</sup> - Flood season only.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	B07020	SAN JOAQUIN RIVER NEAR VERNALIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2460	3740	3930	3120	2560	3420	2620	798	549	517	549	898	1
2	2470	3660	3970	3130	2510	3300	2930	780	601	469	577	898	2
3	2500 *	3500	3860	3170	2420	2910	3060	816 *	650	477	581	857	3
4	2530	3430	3710	3280	2200	2620	2750	826	593	485	646	834	4
5	2570	3350	3620	3400	2140	2840	2570	920	589	485	708	803	5
6	2600	3270 *	3790	3500	2100	3020	2440	975	646	485	682 *	857	6
7	2660	3190	3820	3540	2170	3020	2130	930	654 *	469	646	893	7
8	2700	3320	3890	3330	2110	3190	1900 *	911	632	469	618	965	8
9	2720	3360	3890	3300	2150 *	3250	1680	870	704	465	589	980	9
10	2450	3430	3870	3500	2410	3370	1440	848	749	469	610	893	10
11	2260	3500	3710	3570	2540	2980	1240	893	690	469 *	677	852	11
12	2180	3530	3640	3480	2480	2840 *	1120	970	623	469	677	916	12
13	2190	3460	3740	3400	2290	3000	1100	1040	593	489	641	935	13
14	2180	3350	3640	3190	2210	3040	1100	1140	628	525	636	945	14
15	2200	3440	3740	3010	2240	3000 *	1160	1120	610	585	618	1000	15
16	2380	3470	3930	2910 *	2130	3090	1000	1040	581	569	623	1030	16
17	2350	3420	3880	2840	2020	3140	906	995	641	549	610	960	17
18	2360	3350	3770 *	2820	1950	3360	930	960	589	501	754	935	18
19	2420	3450	3720	2800	1910	3310	844	950	577	457	812	884	19
20	2570	3470	3720	2740	1900	3680	830	995	493	453	834	875	20
21	2760	3490	3570	2700	2110	3750	862	902	553 *	469	893	893	21
22	2990	3700	3570	2560	2880	3770	945	875	529	561	985	925	22
23	3070	3620	3580	2320	3360	3620	940	844	585	553	1020	975	23
24	2940	3470	3450	2470	4100	3350	945	893	641	513	950	980	24
25	3030	3350	3330	2530	4120	3160	980	884	549	481	950	980	25
26	3320	3510	3260	2540	3980	3000	925	844	489	497	1040	1010	26
27	3590	3420	3230	2500	3830	2920	880	875	501	521	1040	1070	27
28	3660	3430	3250	2400	3590	2690	955	794	533	533	980	1020	28
29	3420	3730	3230	2300	3470	2260	980	700	485	573	1030	1030	29
30	3300	3780	3210	2290	2290	2370	902	654	489	529	960	1050	30
31	3660		3160	2510	2620			581		505	880		31
MEAN	2725	3473	3635	2940	2617	3093	1435	891	592	503	768	938	MEAN
MAX.	3660	3780	3970	3570	4120	3770	3060	1140	749	585	1040	1070	MAX.
MIN.	2180	3190	3160	2290	1900	2260	830	581	485	453	549	803	MIN.
AC. FT.	167600	206700	223500	180800	150500	190200	85420	54790	35200	30920	47240	55820	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
ø - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
1,968	4250	15.26	2	24	2100	453	9.32	6	20		1,429,000

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD				DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
37 40 34	121 15 51		79000	32.81	12-9-1950	JUL 22-DEC 23 ø	JUL 22-DEC 23 ø	1931	1959	5.06	USCGS	
						JAN 24-FEB 25	JAN 24-FEB 25	1959		0.00	USCGS	
						JUN 25-OCT 28 ø	JUN 25-OCT 28 ø	1959		3.3	USED	
						MAY 29-DATE	MAY 29-DATE					

Station located 30 feet above the Durham Ferry Highway bridge, 3 miles below the Stanislaus River, 3.4 miles northeast of Vernalis. Maximum discharge listed at site then in use and present datum. Records furnished by USGS. Drainage area is 13,540 square miles.

ø - Irrigation season only.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	B00915	SOUTH SAN JOAQUIN IRRIGATION DISTRICT DRAIN 11 NEAR MANTECA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	28	12	3.8	2.3	5.9	4.9	19	12	22	24	15	23	1
2	25	12	3.7	2.5	4.6	4.9	12	20	20	17	21	24	2
3	27	12	3.5	2.4	4.3	4.7	11	28	30	12	11	25	3
4	25	12	3.6	2.2	4.1	4.7	14	30	25	16	13	22	4
5	23	12	3.5	2.2	4.1	4.5	17	25	23	18	11	21	5
6	20	12	3.4	2.2	4.0	4.2	18	25	17	26	13	22	6
7	27	11	3.3	2.2	3.9	3.3	15	27	17	26	13	19	7
8	21	11	3.3	2.2	3.8	5.3	22	30	19	26	13	16	8
9	23	11	3.2	2.3	3.8	4.2	19	23	22	20	17	19	9
10	24	11	3.1	2.7	3.8	3.6	22	21	23	18	18	13	10
11	26	10	3.1	3.1	3.7	3.5	20	28	23	25	18	11	11
12	26	10	2.9	2.6	3.7	3.6	26	27	30	19	20	14	12
13	21	10	3.3	2.3	3.7	3.8	25	30	20	28	21	22	13
14	24	10	3.4	2.4	3.6	3.5	23	30	16	25	30	19	14
15	25	10	3.1	2.7	3.5	3.5	21	29	28	10	30	19	15
16	24	10	2.9	2.5	3.7	3.6	19	28	27	18	25	12	16
17	19	9.8	2.9	2.5	4.0	3.6	22	28	30	25	16	10	17
18	18	9.7	3.9	2.5	3.7	3.5	18	27	27	26	15	8.1	18
19	28	9.6	5.0	2.6	3.7	3.4	14	28	22	19	20	18	19
20	18	7.8	3.9	2.5	3.8	3.4	13	25	20	24	24	20	20
21	20	5.8	4.0	2.5	3.8	3.4	16	22	22	22	23	17	21
22	17	5.8	4.1	2.5	4.9	3.4	19	21	15	24	18	20	22
23	17	5.9	3.8	2.5	4.9	3.3	14	23	23	16	13	14	23
24	13	5.8	3.9	2.5	5.1	3.2	18	29	18	12	12	12	24
25	10	5.8	3.9	2.5	5.1	3.1	20	21	19	17	20	18	25
26	5.9	5.6	3.8	2.4	5.1	3.0	28	27	19	16	22	19	26
27	13	5.6	3.7	2.4	5.1	2.9	30	30	24	15	11	20	27
28	11	5.1	3.4	2.5	5.1	5.6	28	30	22	17	11	20	28
29	12	3.9	2.9	2.4	4.9	6.4	25	30	27	20	23	14	29
30	9.5	3.9	2.6	4.2		13	15	27	22	20	23	16	30
31	10		2.5	12		11		19		20	21		31
MEAN	20	8.9	3.5	2.8	4.3	4.5	19	26	22	20	18	18	MEAN
MAX.	28	12	5.0	12	5.9	13	30	30	30	28	30	25	MAX
MIN.	5.9	3.9	2.5	2.2	3.5	2.9	11	12	15	10	11	8.1	MIN.
AC. FT.	1211	528	213	173	245	274	1156	1587	1333	1232	1113	1045	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
14	30	7.12	5	28	0915	2.2	2.36	12	12	1230	10,109

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 45 38	121 16 50	SW 14 2S 6E				JAN 1959-DATE	JAN 1959-DATE	1959		0.00	LOCAL

Station located 400 feet east of Walthall Slough, 1.9 miles southeast of junction of State Highway 120 and U. S. Highway 50, 4.3 miles southwest of Manteca. This is drainage returned to San Joaquin River via Walthall Slough. Backwater from Walthall Slough at times affects the stage-discharge relationship.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	B02920	DUCK CREEK DIVERSION NEAR FARMINGTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	89 *	0.0	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	31.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	1.2	1.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	28	32	89	0.0	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	73	86	176	0.0	0.0	0.0	0.0	0.0	0.0	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD

\* - DISCHARGE MEASUREMENT OR OBSERVATION  
OF NO FLOW MADE THIS DAY

‡ - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	ACRE FEET
0.5	427		3 8 0830	0.0			335

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 56 18	120 59 21	NE 16 1N 9E	3690	7.65	4-2-1958	SEPT 1951-DATE	SEPT 1951-DATE	1951		105.0	USGS

Station located 1.0 mile northeast of Farmington. Flows are diversions from Duck Creek to Littlejohn Creek. Records furnished by USCE. Drainage area is 28 square miles.



**TABLE B-5 (Cont.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	B02870	LITTLEJOHN CREEK AT FARMINGTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	17	0.1	0.1	0.0	53	21	3.0	8.8	5.8	3.6	15	25	1
2	13	0.2	0.1	0.0	45	15	3.4	7.0	5.4	2.9	18	23	2
3	12	2.6	0.1	0.0	28	9.5	7.0	6.0	7.0	2.8	18	20	3
4	11	2.2	0.1	0.0	17	7.4	13	3.7	5.8	6.4	18	21	4
5	15	1.8	0.1	0.0	9.0	5.4	13	5.4	13	6.4	21	22	5
6	21	1.4	0.1	0.0	5.0	5.2	13	5.8	13	5.4	29	23	6
7	22	0.1	0.1	0.0	5.0	5.0	10	6.6	14	3.8	28	24	7
8	20	1.0	0.1	0.0	1.4	270	7.9	5.0	10	2.2	25	25	8
9	29	4.2	0.0	0.0	0.1	248	6.0	6.6	12	2.5	25	27	9
10	25	5.0	0.0	0.0	0.0	92	5.4	8.5	10	6.4	20	24	10
11	24	5.4	0.0	0.0	0.0	60	5.6	7.0	13	10	17	20	11
12	24	4.6	0.0	0.0	0.0	49	5.4	5.6	18	11	16	21	12
13	25	4.6	0.0	0.0	0.0	38	4.2	4.8	12	11	19	20	13
14	28	5.8	0.0	0.0	0.0	28	3.4	6.6	13	7.0	20	18	14
15	27	4.6	0.0	0.0	0.0	37	1.7	14	13	14	22	16	15
16	29	4.6	0.0	0.0	0.0	39	0.9	13	8.5	5.0	23	12	16
17	27	4.6	0.0	0.0	50	50	0.9	12	4.4	5.4	22	2.2	17
18	30	4.2	0.0	0.0	156	59	2.3	7.3	2.8	8.5	20	2.2	18
19	33	3.0	0.0	1.4	87	113	2.5	7.9	3.0	6.2	18	5.6	19
20	29	0.1	0.0	0.1	181	83	3.6	7.0	2.7	4.4	20	6.4	20
21	26	0.1	0.0	0.1	416 *	64	7.0	4.6	2.8	2.9	19	9.1	21
22	30	0.1	0.0	3.0	414	52	9.1	4.6	2.6	4.6	20	9.7	22
23	27	0.1	0.0	7.8	383	42	9.7	9.4	2.4	8.5	22	12	23
24	26	0.1	0.0	7.4	231	37	9.4	12	5.0	7.6	23	13	24
25	17	0.1	0.0	7.0	68	32	8.8	8.2	4.4	6.4	23	20	25
26	14	0.1	0.0	4.2	51	26	8.5	12	6.6	7.9	23	25	26
27	15	0.1	0.0	2.2	43	21	9.4	13	4.2	8.8	23	24	27
28	18	0.1	0.0	0.2	34	16	9.1	8.8	5.4	7.6	23	21	28
29	12	0.1	0.0	0.1	24	10	5.0	6.4	5.4	6.6	21	17	29
30	7.4	0.1	0.0	12		8.5	7.3	7.9	5.2	7.3	21	14	30
31	0.6		0.0	162		6.0		5.6		11	23		31
MEAN	21	2.0	0.0	6.7	79	50	6.5	7.8	7.7	6.6	21	17	MEAN
MAX.	33	5.8	0.1	162	416	270	13	14	18	14	29	27	MAX.
MIN.	0.6	0.1	0.0	0.0	0.0	5.0	0.9	3.7	2.4	2.2	15	2.2	MIN.
AC. FT.	1297	121	2.0	412	4565	3062	388	478	457	405	1299	1036	AC. FT.

**WATER YEAR SUMMARY**

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	
19	582		2 21 1200	0.0			13,522

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 55 38	121 00 08	NE 20 1N 9E	3590	15.40	4-3-1958	JUNE 1952-DATE	JUNE 1952-DATE	1952		89.97	USCGS

Station located 340 feet below Farmington-Escalon Highway bridge. Flows entering Littlejohn Creek via Duck Creek Diversion are included. Flow regulated by Farmington Reservoir. Records furnished by USCE.

TABLE B-5

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	H02B05	FRENCH CAMP SLOUGH NEAR FRENCH CAMP

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	73	20	10	5.4	309	38	41	46	26	24	25	38	1
2	71	14	10	5.4	122	33	35	47	26	20	23	42	2
3	97	15	10	5.4	67	29	23	55	22	18	26	38	3
4	103	14	10	5.4*	41	27	21	34	15	20	18	46	4
5	112	13	10	5.8	31	24	22	37	14	14	19	48	5
6	108	12	10	5.6	23	24	37	33	30	7.2	13	35	6
7	109	14	11	5.2	20	21	51	29	18	8.3	19	49	7
8	103	12	9.4	7.2	17	344	32	47	26	10	18	60	8
9	78	11	7.0	12	16	579	37	62	16	14	13	53	9
10	69	12	5.9	9.8	15	259	38	62	17	18	16	47	10
11	77	11	5.4	9.4	14	128	33	45	18	17	28	47	11
12	74	13	5.3	7.6	13	81	34	45	15	14	37	62	12
13	63	11	5.6	6.0	13	63	35	42	21	10	36	57	13
14	61	11	5.8	8.6	13	48	29	76	29	15	36	52	14
15	66	11	5.2	11	13	44	51	91	25	21	27	61	15
16	46	11	5.0	28	13	50	43	85	29	5.9*	23	67	16
17	99	11	5.0	15	16	83	32	71	18	5.7	25	64	17
18	89	11	5.5	7.9	249	111	31	60	16	0.2	31	57	18
19	74	11	6.4	7.0	166	85	50	64	17	10	26	56	19
20	78	10	5.9	5.4	153	60	64	58	25	8.5	36	53	20
21	102	10	5.4	5.3	450	40	53	50	15	18	36	50	21
22	102	10	5.4	4.8	498	30	40	60	12	13	39	41	22
23	66	10	5.4	4.2	440	29	46	69	12	3.7	26	43	23
24	32	10	5.0	3.6	349	33	52	79	12	17	15	33	24
25	23	11	5.0	3.2	129	26	44	59	20	21	35	35	25
26	19	11	5.0	2.9	81	31	41	74	19	24	36	53	26
27	17	14	5.0	2.9	62	21	66	74	21	25	38	48	27
28	18	11	5.0	2.9	51	21	63	49	20	28	40	44	28
29	23	10	5.1	2.9	43	31	51	27	25	34	42	56	29
30	16	10	5.4	18	32	32	50	28	19	29	37	75	30
31	16		5.4	429		38		25		30	40		31
AN	68.5	12.0	6.6	21.1	118	79.5	41.5	54.3	19.9	16.2	28.4	50.3	MEAN
AX.	112	20.0	11.0	429	498	579	66.0	91.0	30.0	34.0	42.0	75.0	MAX.
N.	16.0	10.0	5.0	2.9	13.0	21.0	21.0	25.0	12.0	0.2	13.0	33.0	MIN.
FT.	4213	712	408	1295	6797	4885	2469	3338	1186	999	1743	2995	AC.FT.

- ESTIMATED
- NO RECORD
- DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
- E AND R

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
42.9	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	31042
	814	5.78	03 08 1815	0.0	6.30	07 15 1845	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 52 52	121 14 53	NE 6 1S 7E	3,390	6.31	12-9-1950	JAN 50-MAY 50 OCT 50-DATE	JAN 50-MAY 50 OCT 50-DATE	1950	1955	0.00 4.00	LOCAL LOCAL

Station located at Airport Way bridge, 1.5 miles east of French Camp. During periods when backwater from a temporary diversion dam affects the stage-discharge relationship, a supplementary water stage recorder, located 0.5 mile downstream on the bypass, is used for computations. Tributary to San Joaquin River. Maximum discharge listed at site and datum then in use.



TABLE B-5

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	H00907	SOJTH SAN JOAQUIN I.O. MAIN DRAIN NEAR LATHROP

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DA
1	16	11	6.4	8.2	NR	NR	17	21	28	29	NR	29	1
2	21	11	5.7	8.3	NR	NR	17	23	33	NR	NR	22	2
3	25	11 *	5.7	8.3	6.3	NR	23	24 *	33	NR	NR	20	3
4	30 *	11	6.1	8.3	6.1	NR	20	26	27	NR	NR	21	4
5	19	11	6.5	8.4*	5.8	NR	18	22	25	NR	NR	26	5
6	22	10	5.6	8.1	5.6	NR	18	29	21 *	NR	NR	24	6
7	25	8.1	6.2	8.0	5.6	NR	20	25	23	NR	NR	22	7
8	25	8.0	5.6	8.0	5.5	NR	19	24	26	NR	NR	28	8
9	20	7.5	5.3	8.0	5.2	NR	22	22	26	NR	NR	41	9
10	25	7.3	5.2	8.9	5.1	NR	18 *	23	24	NR	NR	32	10
11	24	7.0	5.0	8.6	4.9	NR	16	27	25	NR	NR	29	11
12	22	7.1	5.1	8.0	4.9	NR	19	30	27	NR	NR	35	12
13	21	7.1	7.2	NR	4.8	NR	15	26	24	NR	NR	32	13
14	23	7.2	8.4*	NR	4.8	NR	15	24	18	NR	NR	37	14
15	28	7.1	7.4	NR	4.9	NR	19	19	22	NR	NR	34	15
16	30	6.8	7.4	NR	6.7	NR	26	24	23	NR	NR	31	16
17	30	6.5	7.2	NR	8.2	NR	27	24	25	NR	NR	34	17
18	29	6.3	8.9	NR	5.6	NR	21	24	25	NR	NR	34	18
19	20	6.7	7.6	NR	5.6	NR	22	27	24	NR	NR	35	19
20	14	6.8	7.5	NR	5.8	NR	22	27	26	NR	NR	29	20
21	15	6.8	7.2	NR	5.6	NR	24	23	0	NR	NR	26	21
22	14	6.7	7.0	NR	5.2	NR	23	26	39	NR	NR	26	22
23	13	6.1	7.3	NR	NR	NR	23	34	33	NR	NR	28	23
24	13	6.0	7.2	NR	NR	NR	21	34	34	NR	NR	29	24
25	12	5.9	7.2	NR	NR	NR	21	23	28	NR	NR	34	25
26	13	5.9	7.2	NR	NR	NR	21	21	25	NR	NR	39	26
27	13	5.7	7.4	NR	NR	9.5	22	22	24	NR	NR	30	27
28	11	5.9	8.4	NR	NR	11	22	22	21	NR	NR	23	28
29	11	6.4	8.3	NR	NR	12	23	27	23	NR	NR	19	29
30	11	7.7	8.1	NR	NR	13	18	23	26	NR	NR	22	30
31	11		8.3	NR	NR	14		27		NR	NR	31	31
MEAN	19.5	7.6	6.9	NR	NR	NR	20.4	24.9	26.3	NR	NR	28.9	MEAN
MAX.	30.0	11.0	8.9	NR	NR	NR	27.0	34.0	39.0	NR	NR	42.0	MAX.
MIN.	11.0	5.7	5.0	NR	NR	NR	15.0	19.0	18.0	NR	NR	20.0	MIN.
AC. FT.	1202	451	424	NR	NR	NR	1214	1533	1563	NR	NR	1720	AC. FT.

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 # - E AND R

MEAN	MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 49 35	121 15 43	SE 24 1S 6E				MARCH 1965-DATE	MARCH 1965-DATE	1965	1965	0.00	LOCAL
								1965		0.00	LOCAL

Station located at Lathrop Road bridge, 0.8 mile east of Lathrop. Prior to December 9, 1965, station located 0.7 mile south of French Camp road, 1.0 mile south of French Camp, 3.0 miles downstream from present location. This is drainage returned to San Joaquin River via French Camp Slough. Backwater from French Camp Slough at times affects the stage-discharge relationship.

TABLE B-5

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1967	402835	DUCK CREEK NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.1	3.1	1.6	0.0	101	0.0	71	1.8	4.8	8.2	6.5	5.1	1
2	3.7	3.1	2.6	0.0	40	0.0	25	0.9	7.4	5.2	6.2	5.9	2
3	4.2*	3.1	13	0.0	19	0.0	11	0.1	5.6	4.0	5.2	6.0	3
4	4.4	1.6	16	0.0	13	0.0	7.8	0.0	3.7	6.5	5.6	5.8	4
5	3.5	0.5	42	0.0	11	0.0	3.2	0.0	4.0	5.9	6.5	4.9	5
6	4.6	0.7	183	0.0	12	0.0	2.6*	0.0	3.9	6.9	7.2	5.7	6
7	4.7	0.7	123 *	0.0	4.3	0.0*	243	0.3	4.7	9.1	5.1	7.1	7
8	2.7	0.2	41 *	0.0	4.0	0.0	119	0.5	4.4*	7.5	6.9*	6.4	8
9	5.1	0.2	17	0.0	2.3	0.0	28	0.5	3.3	6.9	6.7	7.9	9
10	3.5	0.3	12	0.0	2.0	0.0	11	0.7	4.7	8.2	7.0	7.7	10
11	2.4	0.2	7.7	0.0*	1.4	0.0	135	0.1	3.9	6.1	8.1	7.0	11
12	1.4	0.2	9.9	0.0	1.0	0.0	54	0.0	3.1	4.9	9.5	7.4	12
13	0.4	0.2	7.2	0.0	2.3	0.1	15	0.2	3.6	7.1	9.7	7.8	13
14	0.4	0.1	3.4	0.0	1.6	0.0	7.5	0.5	4.8	6.5	8.4	6.6	14
15	0.6	0.1	2.5	0.0	0.4	0.0	4.6	1.3	4.8	5.9	7.3	5.2	15
16	1.1	0.7	2.0	0.0	0.2	2.8	2.1	1.4	4.6	6.5	6.3	6.0	16
17	0.5	1.4	1.4	0.0	0.1	91	1.5	1.6	5.9	6.5	6.9	6.3	17
18	0.5	0.4	0.9	0.0	0.1	22	1.8	2.0	5.8	6.2	8.0	4.3	18
19	0.5	0.3	0.6	0.0*	0.1	10	128	1.8	7.3	5.6	7.8	5.2	19
20	1.4	1.3	0.4	0.0	0.1	7.4	64	2.0	8.7	7.7	8.5	6.7	20
21	1.1	2.5	0.3	41	0.0	3.2	46	1.9	6.8	6.3	9.1	8.7	21
22	1.1	1.4	0.2	375 *	0.0	1.8	137	1.6	7.2	7.3	9.9	8.8	22
23	1.5	0.4	0.1	159 *	0.0	0.8	35	2.0	7.5	7.5	8.0	8.9	23
24	2.3	0.2	0.0	204	0.0	0.4	73	3.2	8.8	6.9	6.8	7.0	24
25	2.4	0.2	0.0	324 *	0.0	0.2	38	3.9	8.2	11	7.0	4.5	25
26	3.1	0.5	0.0	108	0.0	0.1	15	4.4	6.4	8.2	6.7	3.8	26
27	2.1	0.6	0.0	45	0.0	0.0	9.0	4.1	8.2	5.6	7.3	3.9	27
28	1.5	2.2	0.0	26	0.0	0.0	4.4	3.9	5.9	4.3	7.5	4.2	28
29	1.6	5.4	0.0	215		0.0	2.0	3.7	7.7	4.9	9.3	3.3	29
30	0.4	4.3	0.0	322		0.1	1.6	3.5	6.7	6.2	6.1	1.3	30
31	2.2		0.0	256		0.5		5.6		4.9	6.5		31
AN.	2.3	1.2	17.3	66.9	7.9	4.5	43.2	1.7	5.7	6.6	7.3	6.0	MEAN
MAX.	5.3	5.9	183	375	101	91.0	243	5.6	8.8	11.0	9.9	8.9	MAX.
MIN.	0.5	0.1	0.0	0.0	0.0	0.0	1.5	0.0	3.1	4.0	5.1	1.3	MIN.
TOT. AC. FT.	142	72	1067	4116	436	278	2571	106	342	405	451	356	AC. FT.

- ESTIMATED
- NO RECORD
- DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.
- E AND R

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
14.3	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	10343
	635	5.96	01	30	2015	0.0	1.84	12	29	1300	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 55 30	121 15 02	NE 35 1N 7E	400	5.75	12-24-1955	JAN 50-APR 50	JAN 50-APR 50	1950	1953	0.00	LOCAL
						OCT 50-APR 51	OCT 50-APR 51	1953	1957	0.00	LOCAL
						OCT 51-DATE	OCT 51-DATE	1957	1965	0.00	LOCAL
								1965		0.00	LOCAL

Station located 35 feet below B Street bridge, immediately south of Stockton. Prior to November 10, 1965, station located at Laurel Avenue, 0.2 mile upstream from present location. Tributary to San Joaquin River via French Camp Slough. During high flow, water from Duck Creek enters Mormon Slough approximately 2 miles east of the head of Stockton Diverting Canal. Discharge listed does not include this overflow. Flow regulated by gravity culverts which divert to Littlejohn Creek. Maximum discharge listed at site and datum then in use.



TABLE B-5

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1958	402835	DUCK CREEK NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DA
1	1.2	2.1	0.0	0.0	34	0.1	1.0	5.8	5.3	8.3	8.0	6.6	1
2	2.3	2.2	0.0	0.0	15	0.1	0.2	7.1	6.7	9.3	7.7	5.2	2
3	2.0	2.0	0.0	0.0	7.2	0.0	0.1	6.4	7.2	9.0	7.9	5.7	3
4	2.1	0.6	0.0	0.0	4.0	0.0	0.0	7.0	6.1	6.8	7.9	9.3	4
5	1.4*	1.4	0.1	0.0	1.8	0.0	0.2	6.8	5.5	7.7	6.4	9.0	5
6	2.6	0.6	0.0	0.0	0.8	0.0	0.0	6.2	6.6	7.1	9.9	8.7	6
7	2.1	0.5	0.0	0.0	0.3	0.2	1.0	5.9	9.3	8.7	8.7	11	7
8	1.4	0.7	0.0	0.0	0.1	100	2.1	5.4	7.9	7.5	7.3	7.5	8
9	0.4	0.2	0.0	0.0	0.1	75	2.6	6.2	9.2	5.3	6.1	5.8	9
10	1.6	1.2	0.0	0.0	0.0	18	1.5	9.7	10	7.0	7.3	9.1	10
11	1.7	0.4	0.0	0.0	0.0	8.7	1.1	13	6.2	6.8	6.1	9.8	11
12	1.5	0.6	0.0	0.0	0.0	6.7	1.1	12	6.4	5.4	6.8	7.0	12
13	2.0	0.3	0.0	0.0	0.0	2.7	1.1	10	6.3	5.4	7.2	8.0	13
14	1.4	0.2	0.0	0.0	0.0	1.0	1.2	8.4	8.8	5.8	8.7	7.1	14
15	4.0	0.1	0.0	0.3	0.0	0.6	1.7	7.6	7.8	5.3	7.2	4.0	15
16	4.1	0.0	0.0	0.0	0.1	0.7	1.0	5.3	5.2	5.5	7.1	5.5	16
17	4.2	0.0	0.0	0.0	0.6	0.3	1.2	5.4	2.4	8.3	7.1	8.9	17
18	4.1	0.0	0.0	0.0	77	14	2.8	3.8	2.9	8.9	4.2	8.9	18
19	3.2	0.0	0.0	0.0	16	9.0	1.8	5.6	3.6	7.3	3.5	7.5	19
20	1.5	0.0	0.0	0.0	35	4.9	4.7	4.5	2.4	7.1	4.3	4.5	20
21	1.4	0.0	0.0	0.0	114	1.5	6.1	3.9	5.3	6.4	6.5	2.7	21
22	1.6	0.0	0.0	0.0	59	0.7	6.0	6.5	5.7	5.7	8.7	2.9	22
23	1.0	0.0	0.0	0.0	14	0.4	3.8	8.5	3.9	7.0	11	2.2	23
24	1.4	0.6	0.0	0.0	4.1	0.1	4.5	5.8	3.5	8.0	11	3.0	24
25	1.2	0.4	0.0	0.0	4.2	0.0	3.6	7.2	5.4	6.0	8.5	2.3	25
26	0.6	0.1	0.0	0.0	3.2	0.0	3.1	7.8	8.7	6.3	5.6	2.2	26
27	0.4	0.3	0.0	0.0	1.9	0.0	2.8	8.7	7.6	5.4	6.6	2.4	27
28	1.1	0.2	0.0	0.0	0.8	0.0	3.1	6.5	7.6	4.1	7.6	2.4	28
29	1.3	0.0	0.0	0.0	0.3	0.3	3.1	5.2	8.8	6.5	5.3	3.4	29
30	0.9	0.1	0.0	8.7	1.6	1.6	4.1	6.0	9.8	8.7	8.6	2.5	30
31	0.9		0.0	106	0.8	0.8		5.8		9.4	7.0		31
MEAN	1.3	0.5	0.0	3.7	13.8	8.0	2.2	6.9	6.4	7.0	7.3	5.8	ME
MAX.	4.2	2.2	0.1	106	114	100	6.1	13.0	10.0	9.4	11.0	11.0	MA
MIN.	0.4	0.0	0.0	0.0	0.0	0.0	0.0	3.8	2.4	4.1	3.5	2.2	MI
AC. FT.	116	30		228	796	491	132	424	379	430	448	347	AC

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 = - ERROR

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
5.3	331	4.91	03	08	1630	0.0	1.86	11	19	1945	3822

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 55 30	121 15 02	NE 35 1N 7E	400	5.75	12-24-1955	JAN 50-APR 50 OCT 50-APR 51 OCT 51-DATE	JAN 50-APR 50 OCT 50-APR 51 OCT 51-DATE	1950	1953	0.00	LOCAL
								1953	1957	0.00	LOCAL
								1957	1965	0.00	LOCAL
								1965		0.00	LOCAL

Station located 35 feet below B Street bridge, immediately south of Stockton. Prior to November 10, 1965, station located at Laurel Avenue, 0.2 mile upstream from present location. Tributary to San Joaquin River via French Camp Slough. During high flow, water from Duck Creek enters Mormon Slough approximately 2 miles east of the head of Stockton Diverting Canal. Discharge listed does not include this overflow. Flow regulated by gravity culverts which divert to Littlejohn Creek. Maximum discharge listed at site and datum then in use.

TABLE B-5

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	402520	CALAVÉRAS RIVER NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.4	0.7	NR	6.5	7.1	11	0.0	34	20	21	31	28	1
2	0.8	0.0	NR	6.0	15	16	0.0	38	19	15	28	25	2
3	0.5	0.0	NR	5.5	8.7	18	0.0	26	9.9	24	15	25	3
4	0.1	0.0	NR	5.2	8.0	17	0.0	22	12	31	23	19	4
5	0.0	0.0	NR	5.3	7.6	17	0.0	14	21	27	18	13	5
6	0.0	6.4*	12	6.8	7.3	17	0.0	21	18	25	17	17	6
7	0.0	4.5	11	6.6	7.1	17	0.0	4.8	11	46	13	25	7
8	0.0	1.9	11	6.6	7.0	40	0.0	3.0	2.8	31	17	23	8
9	0.0	5.0	12	6.9	6.8	32	0.0	21	1.4	30	9.7	22	9
10	0.0	6.4	11	8.2	6.7	23	0.0	32	1.3	25	28	21	10
11	0.0	3.4	13	11	6.8	20	0.0	36	23	24	27	23	11
12	0.0	0.8	13	11	6.4	19	0.0	37	37	29	17	23	12
13	0.0	1.3	14	9.1	6.7	18	0.0	44	16	35	8.6	22	13
14	0.0	4.0	8.6	9.3	6.6	14	16	38	7.7	44	10	17	14
15	0.0	6.5	7.9	12	7.4	14	12	26	9.4	27	30	26	15
16	0.0	12	3.8	3.1	8.1	4.7	6.4	22	17	31	30	17	16
17	0.0	23	1.9	1.7	9.3	0.0	5.2	21	2.3	30	39	21	17
18	0.0	21	7.1	1.3	11	0.0	3.8	15	0.7	21	51	28	18
19	0.0	23	9.8	1.3	8.5	0.0	7.5	14	0.2	18	31	33	19
20	0.0	25	11	1.3	19	0.0	8.7	11	0.0	18	31	31	20
21	0.0	25	12	1.3	83	0.0	7.6	8.8	16	20	44	9.6	21
22	0.0	16	9.5	1.3	121	0.0	5.1	21	40	21	63	4.8	22
23	0.0	10	7.8	1.1	129	0.0	0.4	14	36	15	45	3.6	23
24	0.0	7.7	7.4	1.0	129	0.0	0.0	17	30	3.0	29	7.3	24
25	0.0	7.4	7.3	1.1	128	0.0	0.8	11	30	17	28	5.2	25
26	0.0	NR	7.0	1.2	125	0.0	52	12	36	18	24	10	26
27	0.0	NR	6.5	0.7	50*	0.0	38	8.4	21	14	16	16	27
28	0.0	NR	6.4	0.0	34	0.0	35	8.1	20	46	18	10	28
29	0.0	NR	6.3	0.0	40	0.0	22	17	28	18	32	2.3	29
30	0.0	NR	5.9	1.3		0.0	21	17	32	18	37	1.5	30
31	0.0		6.4	17		0.0		18		25	33		31
MEAN	0.1	NR	NR	4.9	34.8	9.6	8.1	20.4	17.3	24.7	27.2	17.6	MEAN
MAX.	0.9	NR	NR	17.0	129	40.0	52.0	44.0	40.0	46.0	63.0	33.0	MAX.
MIN.	0.0	NR	NR	0.0	6.6	0.0	0.0	3.0	0.0	3.0	8.6	1.5	MIN.
AC. FT.	5	NR	NR	299	2004	590	479	1254	1029	1521	1673	1050	AC. FT.

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 - - E AND R

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
NR	NR					NR					NR

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 01 14	121 13 45	SE 17 2N 7E	760 E	12.61	1- 6-1965	DEC 1948-DATE	DEC 1948-DATE	1948	1949	0.00	LOCAL
								1949	1950	0.00	LOCAL
								1950	1952	0.00	LOCAL
								1952	1955	2.00	LOCAL
								1955	1959	0.00	LOCAL
								1959	1965	0.00	LOCAL
								1965		0.00	LOCAL

Station located below Solari Road bridge, 5 miles northeast of Stockton. Prior to October 28, 1965, station located 0.5 mile above U. S. Highway 99 bridge, 1.5 miles downstream from present location. Flows are regulated by diversion dam at Bellota operated by Stockton East San Joaquin Water Conservation District. Maximum discharge listed at site and datum then in use.



TABLE B-5 (Cont.)  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	B02560	MORMON SLOUGH AT BELLOTA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	104 *	37	37	NR	NR	NR	NR	NR	1
2	0.0	0.0	0.0	0.0	50 *	24	37	NR	NR	NR	NR	NR	2
3	0.0	0.0	0.0	0.0	38	20	36	NR	NR	NR	NR	NR	3
4	0.0	0.0	0.0	0.0	31	18	35	NR	NR	NR	NR	NR	4
5	0.0	0.0	0.0	0.0	26	15	33	NR	NR	NR	NR	NR	5
6	0.0	0.0	0.0	0.0	24	13	33	NR	NR	NR	NR	NR	6
7	0.0	0.0	0.0	0.0	22	14	33	NR	NR	NR	NR	NR	7
8	0.0	0.0	0.0	0.0	21	632	33	NR	NR	NR	NR	NR	8
9	0.0	0.0	0.0	0.0	20	160	33	NR	NR	NR	NR	NR	9
10	0.0	0.0	0.0	0.0	19	65	28	NR	NR	NR	NR	NR	10
11	0.0	0.0	0.0	0.0	19	40	14	NR	NR	NR	NR	NR	11
12	0.0	0.0	0.0	0.0	19	30	13	NR	NR	NR	NR	NR	12
13	0.0	0.0	0.0	0.0	18	32	0.4	NR	NR	NR	NR	NR	13
14	0.0	0.0	0.0	0.0	18	37	0.5	NR	NR	NR	NR	NR	14
15	0.0	0.0	0.0	12 *	17	34	0.6	NR	NR	NR	NR	NR	15
16	0.0	0.0	0.0	44	18	382	0.6	NR	NR	NR	NR	NR	16
17	0.0	0.0	0.0	27	133	1030	0.7	NR	NR	NR	NR	NR	17
18	0.0	0.0	0.0	21	120	1010	0.7	NR	NR	NR	NR	NR	18
19	0.0	0.0	0.0	19	50	1470	0.3	NR	NR	NR	NR	NR	19
20	0.0	0.0	0.0	19	211 *	1550	NR	NR	NR	NR	NR	NR	20
21	0.0	0.0	0.0	18	1050 *	1530	NR	NR	NR	NR	NR	NR	21
22	0.0	0.0	0.0	17	1980	998	NR	NR	NR	NR	NR	NR	22
23	0.0	0.0	0.0	16	1980	159	NR	NR	NR	NR	NR	NR	23
24	0.0	0.0	0.0	15	1960	71	NR	NR	NR	NR	NR	NR	24
25	0.0	0.0	0.0	15	1940	56	NR	NR	NR	NR	NR	NR	25
26	0.0	0.0	0.0	22	1410	49	NR	NR	NR	NR	NR	NR	26
27	0.0	0.0	0.0	35	93	45	NR	NR	NR	NR	NR	NR	27
28	0.0	0.0	0.0	36	33	42	NR	NR	NR	NR	NR	NR	28
29	0.0	0.0	0.0	49	26	40	NR	NR	NR	NR	NR	NR	29
30	0.0	0.0	0.0	410		38	NR	NR	NR	NR	NR	NR	30
31	0.0	0.0	0.0	653		37	NR	NR	NR	NR	NR	NR	31
MEAN	0.0	0.0	0.0	45.4	395	312	NR	NR	NR	NR	NR	NR	MEAN
MAX.	0.0	0.0	0.0	653	1980	1550	NR	NR	NR	NR	NR	NR	MAX.
MIN.	0.0	0.0	0.0	0.0	17	13	NR	NR	NR	NR	NR	NR	MIN.
AC. FT.	0	0	0	2793	22710	19200	NR	NR	NR	NR	NR	NR	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.		DAY	TIME

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 03 10	121 00 37	SW 5 2N 9E				DEC 1948-DATE	DEC 1948-DATE	1948	1952	0.00	LOCAL
								1952		0.00	LOCAL

Station located 0.2 mile above Farmington-Bellota Highway bridge, 0.2 mile east of Bellota. Flow regulated by Hogan Reservoir. During irrigation season, flow is reregulated by boards placed across diversion dam immediately downstream which control division of water between the Calaveras River and Mormon Slough. This is flow from Calaveras River which is returned to the river via Stockton Diverting Canal. Flows are computed for the period when boards are not placed across diversion dam.

TABLE B-5

**DAILY MEAN DISCHARGE**  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	H02580	STOCKTON DIVERTING CANAL AT STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.0	0.0	0.0	0.0	185 *	46	18	12	7.6	5.5	6.4	5.8	1
2	2.3	0.0	0.0	0.0	74 *	37	18	10 *	5.1	2.0	6.5	11	2
3	0.7	0.0	0.0	0.0	59	29	16	18	1.9	1.9*	7.7	8.4	3
4	0.7	0.0	0.0	0.0	51	24	16	17	1.1	1.5	7.4	8.0	4
5	1.2*	0.0	0.0	0.0	42	20	14	14	0.7	1.5	7.8	11 *	5
6	0.7	0.0	0.0	0.0	32	19	15	14	1.2*	5.9	4.8	13	6
7	0.0	0.0	0.0	0.0	31	19	15	7.4	3.4	7.9	2.8*	6.7	7
8	0.0	0.0	0.0	0.0	29	1,280	14	3.8	4.5	9.0	1.7	4.7	8
9	0.0	0.0	0.0	0.0	28	418	14	3.0	3.0	7.2	1.0	7.1	9
10	0.0	0.0	0.0	0.0	28	86	13	17	0.8	6.7	0.0	6.0	10
11	0.0	0.0	0.0	0.0	28	50	9.0	17	0.1	6.0	0.0	7.1	11
12	0.0	0.0	0.0	0.0	28	36	4.5	13	0.3	5.3	0.0	6.1	12
13	0.0	0.0	0.0	0.0	28	32	0.2	19	6.0	2.8	2.3	3.6	13
14	0.0	0.0	0.0	0.0	29	36 *	4.1	21	6.4	0.3	8.2	2.1	14
15	0.0	0.0	0.0	0.0	29	30	3.5	13	2.5	2.5	8.6	5.8	15
16	0.0	0.0	0.0	0.0	32	112	3.2	11	0.2	10	7.5	9.1	16
17	0.0	0.0	0.0	0.0	106	1,100	2.9	12	2.2	10	10	10	17
18	0.0	0.0	0.0	0.0	203	1,040	2.4	6.6	9.2	7.9	11	9.3	18
19	0.0	0.0	0.0	0.0	72	1,690	1.0	4.7	6.5*	9.4	17	6.7	19
20	0.0	0.0	0.0	0.0	153 *	1,960	1.5	7.0	10	9.2	10	8.4	20
21	0.0	0.0	0.0	0.0	965	1,860	24	2.8	8.7	9.1	9.1	8.6	21
22	0.0	0.0	0.0	0.0	3,740	1,130 *	36	4.3	4.1	5.7	13	11	22
23	0.0	0.0	0.0	0.0	3,970 *	174	16 *	6.2	6.4	1.8	14	10	23
24	0.0	0.0	0.0	0.0	3,970	42	11	11	6.9	2.7	16	5.4	24
25	0.0	0.0	0.0	0.0	3,740	31	10	11	2.5	3.8	14	0.9	25
26	0.0	0.0	0.0	0.0	3,100	27	8.2	7.1	1.3	0.8	6.9	0.0	26
27	0.0	0.0	0.0	0.0	170	23	20	9.9	3.0	1.6	9.9	0.0	27
28	0.0	0.0	0.0	0.0	63	22	19	6.3	5.4	13	11	0.0	28
29	0.0	0.0	0.0	0.0	38	20	17	5.6	6.9	17	15	2.1	29
30	0.0	0.0	0.0	39	19	19	7.1	7.0	4.0	5.1	14	0.5	30
31	0.0	0.0	0.0	1,510 *	17	17		8.2		9.6	11		31
MEAN	0.2	0.0	0.0	50.0	724	368	12.0	10.3	4.1	5.9	8.2	6.3	MEAN
MAX.	2.3	0.0	0.0	1,510	3,970	1,960	36.0	21.0	10.0	17.0	17.0	13.0	MAX.
MIN.	0.0	0.0	0.0	0.0	28.0	17.0	1.0	2.8	0.1	0.3	0.0	0.0	MIN.
AC. FT.	15			3072	41698	22669	713	635	242	362	505	374	AC. FT.

- ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 E AND R

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
96.8	4120	8.04	02	24	0000	0.0	2.93	10	07	2400	70286

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 58 53	121 14 54	NW 31 2N 7E	11,400 E	17.10 E	4-4-1958 E	JAN 1944-DATE	JAN 1944-DATE	1954		0.00	LOCAL

Station located 200 feet upstream from U. S. Highway 99E crossing over Stockton Diverting Canal, immediately northeast of Stockton. Prior to February 24, 1967, station located 200 feet below Waterloo Road. This water diverted from the Calaveras River by Mormon Slough and returned to the river by Stockton Diverting Canal. During high flow periods, overflow from Duck Creek may be included.



TABLE B-5 (Cont.)

**DAILY MEAN DISCHARGE**  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	B02005	MOSHER SLOUGH NEAR STOCKTON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2	9.91 *				1.26 *								2
3													3
4													4
5													5
6													6
7													7
8													8
9										16 *			9
10							0.49 *						10
11													11
12											29 *		12
13													13
14								20 *					14
15													15
16	DATA NOT SUFFICIENT TO COMPUTE DAILY DISCHARGE												16
17													17
18													18
19									27 *				19
20													20
21													21
22													22
23													23
24													24
25													25
26							21 *						26
27													27
28													28
29													29
30													30
31													31
MEAN													MEAN
MAX.													MAX.
MIN.													MIN.
AC. FT.													AC. FT.

WATER YEAR SUMMARY

- E - ESTIMATED
- NR - NO RECORD
- \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY
- ‡ - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 01 42	121 19 20	NW 16 2N 6E	63	4.72	1-31-1966	DEC 1965-DATE	DEC 1965-DATE	1965		0.00	LOCAL

Station located 500 feet below Sacramento Road bridge 1.0 mile north of Stockton. Tributary to San Joaquin River via Disappointment Slough. Recorder installed December 10, 1965.

TABLE B-5

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	R02010	BEAR CREEK NEAR LODI

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.9	1.2	1.2	0.1	103	1.9	0.6	0.4	0.6	1.0	1.0	3.4	1
2	0.4	3.6	0.4	0.1	30	1.4	0.6	0.3*	0.6	0.9	1.6	3.2	2
3	0.3	8.7	0.2	0.2	14	1.3	0.7	0.2	0.6	0.8*	1.8	2.8	3
4	1.1*	7.0	1.0	0.1*	7.5	1.1	0.7	0.0	0.6	1.1	1.9	3.7	4
5	1.4	5.3	4.4*	0.1	4.6	0.9	0.8	0.0	0.6	0.8	1.3	2.8	5
6	0.5	21	5.1	0.1	3.0	0.7	0.9	0.0	0.5*	0.6	1.9	2.4*	6
7	0.3	3.1*	3.6	0.2	2.1	1.1	1.1	0.0	0.3	0.3	2.0*	3.1	7
8	1.3	3.3	3.4	0.3	1.5	601	1.2	0.2	0.7	0.4	1.8	3.0	8
9	1.1	13	3.0	0.2	1.2	272	1.1	0.4	0.9	0.4	1.9	4.2	9
10	1.4*	14	3.1	1.0	0.9	59	0.7	0.5	1.0	0.5	1.8	4.9	10
11	1.3	9.3	1.4	1.5	0.8	21	1.4	0.4	0.6	0.5	1.3	3.4	11
12	1.4	5.7	0.7	2.1	0.6	12	1.6	0.6	0.4	1.6	1.1	3.4	12
13	1.1	4.6	0.4	2.6	0.5	12	3.2	0.7	0.6	1.2	2.1	3.3	13
14	2.5	1.9	0.1	1.4	0.5	51	2.0	0.9	0.8	1.1	2.2	3.3	14
15	5.9	1.7	0.1	17	0.5	24	2.0	0.5	0.7	1.6	1.5	4.3	15
16	7.0	5.6	0.2	37	1.6	74	0.9	0.5	0.9	2.0	1.9	5.0	16
17	2.5	8.3	0.2	7.2	142	153	3.7	0.4	2.0	1.5	2.1	3.6	17
18	2.2	2.3	0.3	2.2	146	43	1.6	0.4	1.1*	1.2	2.4	3.4	18
19	1.3	3.0	0.4	1.1	31	16	1.3	0.4	1.2	1.4	2.9	3.4	19
20	0.2	1.7	0.2	0.7	163	9.2	1.0	0.4	1.3	1.2	3.5	4.1	20
21	0.1	1.5	0.2	0.5	320	6.1	1.0	0.6	0.9	0.8	2.4	4.1	21
22	0.3	1.4	0.2	0.3	130	5.7	1.2	0.5	0.8	1.0	1.4*	2.8	22
23	2.2	1.1	0.2	0.3	41	4.6	2.2*	0.5	0.6	1.9	2.5	1.9	23
24	1.2	0.6	0.1	0.3	14	3.4	1.2	0.7	0.8	1.5	3.4	2.4	24
25	1.1	0.4	0.1	0.2	9.8	2.7	1.3	0.6	1.3	1.3	2.9	4.1	25
26	1.5	0.3	0.1	0.2	6.4	2.5	1.5	0.7	1.2	1.2	2.1	3.6	26
27	2.7	0.2	0.1	0.2	3.9	2.0	3.0	0.6	1.3	1.2	1.8	2.0	27
28	1.4	0.2	0.1	0.2	2.9	1.7	1.4	0.5	1.0	1.3	1.2	1.6	28
29	1.0	0.2	0.1	0.1	2.8	1.2	0.5	0.6	1.2	1.2	2.4	2.2	29
30	4.4	0.8	0.1	151		0.4	0.4	0.6	1.0	2.0	3.4	1.4	30
31	10		0.1	734 *		0.4		0.6		2.0	3.3		31
MEAN	2.1	4.5	1.0	31.0	41.0	44.7	1.4	0.4	0.9	1.1	2.1	3.2	MEAN
MAX.	10.0	21.0	5.1	734	320	601	3.7	0.9	2.0	2.0	3.5	5.0	MAX.
MIN.	0.1	0.2	0.1	0.1	0.5	0.4	0.4	0.0	0.3	0.3	1.0	1.4	MIN.
TOTAL	128	263	61	1909	2359	2750	81	27	52	70	129	192	TOTAL ACRE FEET

E - ESTIMATED  
 N - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 - E AND R

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
11.1	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	8025
	1250	4.40	01	31	0045	0.0	0.39	05	07	1915	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 03 37	121 12 28	SE 28 3N 7E	670	3.35	1-30-1966	DEC 1965-DATE	FEB 1965-DATE	1965		44.45	USCGS

Station located 50 feet above Alpine Road bridge, 5.0 miles southeast of Lodi. Tributary to San Joaquin River via Disappointment Slough. Maximum discharge of record listed is for period December 9, 1965, to date. Drainage area is 36.7 square miles.



**TABLE B-5 (Cont.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	B02105	MOKELUMNE RIVER AT WOODBRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1090	1550	87	75	176	852 *	107	42	32	40	40	34	1
2	1100	1420	88	75	160	854	175	42	32	38	39	36	2
3	1100	1160	88	115	155	858	137	42	33	36 *	40	42	3
4	1100	817	91	150	154	860	108 *	42	34	37	40	42	4
5	1090	477	103	153	152	858	104	43	35	37	44	35 *	5
6	1100	408 *	98	154	150	395	106	43	35	36	42	33	6
7	1110	387	92	153	150	600	103	42	36	37	41	32	7
8	1120	375	89 *	152 *	156	804	74	41	36	39	38	30	8
9	1120	366	86	152	150	792	54 *	39	36	39	36	30	9
10	1120	358	85	163	148	788	50	37 *	36	38	36	30	10
11	1200	355	84	157	148	790	50	36	35	37	36	30	11
12	1210	354	84	153	146	790	53	36	35	38	40 *	30	12
13	1200	369	82	152	146	802	59	36	35 *	39	40	30	13
14	1190	363	83	153	145	585	59	37	34	40	39	29	14
15	1200	237	83	165	145	418	54	37	35	40	36	29	15
16	1200 *	142	84	156	153	246	49	38	34	41	36	30	16
17	1220	132	84	152	156	201	49	37	33	41	38	29 *	17
18	1220	120	90	150	149	179	50	36	32	40	42	32	18
19	1250	116	86	150	147	164 *	49	36	32	38	55	33	19
20	1240	106	83	150	157	159	46	37	32	37	50	33	20
21	1250	99	83	150	172	125	47	38	31	38	46	40	21
22	1250	95	82	150	628	128	47	37	29	40	48 *	46	22
23	1240	99	82	149	808	141	46	36	30	40	41	55	23
24	1230	101	80	150	830	144	44	36	33	40	38	46	24
25	1210	93	79	152	838	147	43	35	34	38	39	41	25
26	1180	86	79	152	842	147	40	35	35	35	39	40	26
27	1180 *	85	78	150	846	153	40	34	36	32	36	40	27
28	1190	85	76	152	846	111 *	40	35	36	32	36	40	28
29	1210	86	74	150	846	79	41	34	36	36	36	40	29
30	1280	92	74	185		77	42	33	37	38	35	40	30
31	1660		74	216		82		33		39	34		31
MEAN	1195	351	84.2	150	334	430	65.5	37.6	34.0	37.9	39.9	35.9	MEAN
MAX.	1660	1550	103	216	846	860	175	43	37	41	55	55	MAX.
MIN.	1090	85	74	75	145	77	40	33	29	32	34	29	MIN.
AC. FT.	73510	20890	5180	9200	19240	26440	3900	2310	2020	2330	2450	2140	AC. FT.

**WATER YEAR SUMMARY**

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
234	2170	15.05	10	31	1600						169,600

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 09 30	121 18 10	NE 34 4N 6E	27,000	29.58	11-22-50	MAY 24-OCT 25 <sup>00</sup> JAN 26-DATE	MAY 1924-DATE	1924	1931	18.9	USCGS
								1931		14.9	USCGS

Station located 0.3 mile below county highway bridge, 0.4 mile below dam and canal intake of Woodbridge Irrigation District. Flow regulated by reservoirs and powerplants. Records furnished by U. S. Geological Survey. Drainage area is 661 square miles.

<sup>00</sup> - Irrigation season only.

TABLE B-5

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1948	H21160	SUTTER CREEK NEAR SUTTER CREEK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.5	1.2	20	12	47	27	33	15	4.6	0.9	0.0	0.0	1
2	2.4	3.1	12	11	44	25	39	16	4.5	0.8	0.0	0.0	2
3	12	2.4	11	10	66	24	27	10	4.4	0.9	0.0	0.0	3
4	5.7	3.1	11	9.9	60	22	24	11	4.6	0.6	0.0	0.0	4
5	4.1	3.4	60	9.9	53	21	22	10	4.6	0.5	0.0	0.0	5
6	3.6	3.4	24	9.8	51	20	21	9.8	5.1	0.3	0.0	0.0	6
7	3.3	3.3	43	9.7	46	21	21	9.6	5.7	0.2	0.0	0.0	7
8	3.3	3.4	30	9.4	42	68	20	9.2	5.7	0.0	0.0	0.0	8
9	3.0	3.7	18	9.3	41	56	19	9.0	4.9	0.0	0.0	0.0	9
10	3.3	3.7	14	41	44	41	18	9.0	4.5	0.0	0.0	0.0	10
11	3.0	3.4	12	41	34	33	18	8.8	4.0	0.0	0.0	0.0	11
12	2.7	3.8	10	23 *	30	30	17	9.3	3.6	0.0	0.0	0.0	12
13	2.4	4.0	9.7	18	27	50	16	11	3.4	0.0	0.0	0.0	13
14	2.7	5.6	8.9	16	25	67	16	16	3.2	0.0	0.0	0.0	14
15	2.4	6.5	9.1*	74 *	23 *	54	16 *	11	3.0	0.0	0.0	0.0	15
16	2.7*	5.2*	8.7	52	24	69	15	10	2.7	0.0	0.0	0.0	16
17	2.7	4.4	8.3	32	94	104	15	9.4	2.5*	0.0	0.0	0.0	17
18	2.7	5.5	12	24	91	78	15	8.9	2.3	0.0	0.0	0.0	18
19	2.7	41	13	20	65	64	14	8.6	2.1	0.0	0.0	0.0	19
20	2.7	16	11	17	193 *	54	14	8.6	1.9	0.0	0.0	0.0	20
21	2.4	9.1	9.6	16	166	47	13	8.4	1.6	0.0	0.0	0.0	21
22	2.9	7.3	9.6	14	111	41	13	8.2	1.5	0.0	0.0	0.0	22
23	3.0	5.6	9.9	14	87 *	36	13	8.1	1.4	0.0	0.0	0.0	23
24	3.2	6.3	11	13	70	33	13	7.9*	1.4	0.0	0.0	0.0	24
25	3.3	6.1	13	13	58	31	13	7.8	1.3	0.0	0.0	0.0	25
26	3.3	6.1	15	12	47	31	14	7.3	1.2	0.0	0.0	0.0	26
27	3.1	6.1	16	14	40	28	12	6.8	1.1	0.0	0.0	0.0	27
28	3.1	7.2	16	14	34	25	12	6.3	1.0	0.0	0.0	0.0	28
29	3.2	7.4	16	13	30	24	14	5.9	0.9	0.0	0.0	0.0	29
30	3.2	24 *	14	46	23	23	17	5.6	0.8	0.0	0.0	0.0	30
31	1.2		13	60		21		4.9		0.0	0.0		31
AN	3.4	7.2	15.8	22.0	60.1	40.9	17.8	9.3	3.0	0.1	0.0	0.0	MEAN
MAX.	12.7	41.0	60.0	79.0	193	104	39.0	16.0	5.7	0.9	0.0	0.0	MAX.
MIN.	1.5	2.4	8.3	9.3	23.0	20.0	12.0	4.9	0.8	0.0	0.0	0.0	MIN.
FT.	267	428	970	1355	3457	2515	1059	570	178	8			AC. FT.

\* - ESTIMATED  
 - NO RECORD  
 - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 - E AND R

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
14.3	312	2.27	02	20	0630	0.0	0.43	07	09	1815	10747

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 23 45	120 46 50	SE 5 6N 11E	5,770 E	6.27	1-31-1963	JAN 36-DEC 41 MAR 1960-DATE	JAN 36-DEC 41 MAR 1960-DATE	1936	1938	-4.00 0.00	LOCAL LOCAL

Station located 0.4 mile below Volcano Road bridge, 1.3 miles east of Sutter Creek. Tributary to Cosumnes River via Dry Creek. Drainage area is 48.1 square miles.



TABLE B-5

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	B21150	DRY CREEK NEAR IONE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DA
1	0.0	0.0	24	9.8	175	45	37	7.5	2.6	0.0	0.0	0.0	1
2	0.0	0.0	13	9.5	120	41	47	7.1	2.3	0.0*	0.0*	0.0	2
3	0.0	0.0	11	8.7	110	36	33	6.5	2.0	0.0	0.0	0.0	3
4	0.0	1.4	20	8.3	82	33	28	6.3	1.9	0.0	0.0	0.0	4
5	0.0	2.2	87	8.3	65	31	26	7.0	1.9	0.0	0.0	0.0	5
6	0.0	2.6	38	8.2	56	29	25	6.9	2.1	0.0	0.0	0.0*	6
7	0.0	2.9	35	8.2	48	32	23	6.4	2.4	0.0	0.0	0.0	7
8	0.0	3.2	34	8.1	42	157	21	6.2	2.5	0.0	0.0	0.0	8
9	0.0	3.6	21	8.2	39	98	20	5.8	2.3	0.0	0.0	0.0	9
10	0.0	4.1	16	45	42	72	18	5.8	2.0	0.0	0.0	0.0	10
11	0.0	4.4	13	59	35	58	18	6.1	1.6	0.0	0.0	0.0	11
12	0.0	4.5	11	32 *	32	50	17	6.2	1.5	0.0	0.0	0.0	12
13	0.0	4.9	8.7	23	29	84	15	11	2.0	0.0	0.0	0.0	13
14	0.0	5.5	7.4	19	27	107	15	21	1.1	0.0	0.0	0.0	14
15	0.0	6.0	7.3*	162 *	26 *	88	14 *	11	0.9	0.0*	0.0*	0.0	15
16	0.0	4.0*	6.8	88	28	137	14	8.4	0.6	0.0	0.0	0.0	16
17	0.0	3.4	6.6	51	76	199	14	7.1	0.4*	0.0	0.0	0.0	17
18	0.0	3.7	15	37	84	136	13	6.2	0.2	0.0	0.0	0.0	18
19	0.0	57	21	30	62	102	12	5.8	0.1	0.0	0.0	0.0	19
20	0.0	17	18	25	316 *	82	12	5.7	0.0	0.0	0.0	0.0	20
21	0.0	7.6	15	22	342	69	12	5.8	0.0	0.0	0.0	0.0	21
22	0.0	5.3	13	20	216	61	11	5.5	0.0	0.0	0.0	0.0	22
23	0.0	4.6	12	17	170	54	11	5.4	0.0	0.0	0.0	0.0*	23
24	0.0	4.3	12	16	132	49	11	5.3*	0.0	0.0	0.0	0.0	24
25	0.0	4.1	13	16	101	46 *	10	5.4	0.0	0.0	0.0	0.0	25
26	0.0	4.1	14	15	82	43	9.9	5.1	0.0	0.0	0.0	0.0	26
27	0.0	4.2	14	21	68	39	9.4	4.3	0.0	0.0	0.0	0.0	27
28	0.0	5.1	13	21	58	35	9.0	3.8	0.0	0.0	0.0	0.0	28
29	0.0	5.6	12	18	50	33	8.4	3.4	0.0	0.0	0.0	0.0	29
30	0.0	23	11	378		31	7.6	3.2	0.0	0.0	0.0	0.0	30
31	0.0		10	391		28		2.8	0.0	0.0	0.0	0.0	31
MEAN	0.0	6.6	17.8	51.1	93.6	67.9	17.4	6.6	1.0	0.0	0.0	0.0	MEA
MAX.	0.0	57.0	87.0	391	342	199	47.0	21.0	2.6	0.0	0.0	0.0	MA
MIN.	0.0	0.0	6.6	8.1	26.0	28.0	7.6	2.8	0.0	0.0	0.0	0.0	MIN
AC. FT.		395	1096	3140	5381	4175	1034	405	60				AC.F

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 # - E AND R

MEAN		MAXIMUM				MINIMUM				TOTAL		
DISCHARGE	21.6	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
		1120	6.72	01	30	2000	0.0	2.50	10	01	0000	15687

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 24 54	120 54 18	SW 32 7N 10E	7,300	11.30	1-6-1965	FEB 1960-DATE	FEB 1960-DATE	1960		0.00	LOCAL

Station located 1,000 feet below State Highway 124 bridge, 4.6 miles northeast of Ione. Tributary to Cosumnes River. Drainage area is 70.9 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	B01520	DRY CREEK NEAR GALT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	3.7	7.6	455	166 *	68	39	8.3	3.8	5.3	4.7	1
2	0.0	0.0	18	5.8	336	155	101	38	6.1	2.7 *	6.3	2.8	2
3	0.0	0.0	10	4.9	314	145	108	20	0.8	3.4	8.4	3.4	3
4	3.3	0.0	8.9	4.2	290	140	99 *	10	0.4	4.0	5.8	4.1	4
5	1.7	0.0	37	3.8	264	131	74	10	0.5	2.2	6.6	4.1 *	5
6	0.0	0.0 *	110	3.2	200	77	60	11	5.0	0.0	5.8	3.8	6
7	0.0	0.0	43	2.8	173	63	55	10	6.8	0.0	3.2	3.4	7
8	0.0	0.0	62 *	2.4 *	157	601	52	20	7.2	0.0	4.0	2.9	8
9	0.0	0.0	41	2.4	111	418	47	17	7.6	0.8	1.4	2.5	9
10	0.0	0.0	27	3.6	96	295	45	15 *	8.1	2.8	2.7	1.8	10
11	0.0	0.0	20	105	89	235	52	13	4.7	0.8	5.4	1.0	11
12	0.0	0.0	15	70	75	145	81	12	4.8	0.2	4.5 *	0.2	12
13	0.0	0.0	12	44	62	176	67	13	5.4 *	1.4	5.5	0.3	13
14	0.0	0.0	8.2	35	54	396	63	26	1.1	0.3	4.6	0.8	14
15	0.0	0.0	4.7	146	48	256	60	33	1.8	0.2	1.1	2.1	15
16	0.0	0.0	1.6	266	48	287	56	29	3.1	0.9	0.4	0.1	16
17	0.0 *	0.0	2.2	124	132	523	54	24	2.4	3.7	0.4	0.0	17
18	0.0	0.0	1.1	88	274	368	53	23	4.2	4.4	0.3	0.0	18
19	0.0	0.0	4.2	72	182	236	61	30	4.1	3.9	1.5	0.0	19
20	0.0	0.0	17	62	758	190	57	44	3.0	1.5	7.8	0.0	20
21	0.0	4.5	13	56	956	162	52	40	1.5	0.0	5.8	0.0	21
22	0.0	0.6	11	47	593	140	52	38	0.3	0.0	6.5	0.0	22
23	0.0	0.0	8.2	42	408	124	50	31	0.4	0.0	5.4	0.0	23
24	0.0	0.0	7.9	40	370	112	48	20	4.2	0.0	4.1	0.0	24
25	0.0	0.0	7.8	39	320	111	58	21	3.4	0.0	3.2	0.0	25
26	0.0	0.0	8.4	38	279	124	49	14	4.2	0.0	1.8	0.0	26
27	0.0	0.0	9.5	38	161	126	47	8.2	3.4	1.8	4.0	0.0	27
28	0.0	0.0	11	46	166	119	43	8.4	3.2	3.5	5.9	0.0	28
29	0.0	0.0	10	43	173	87	40	7.5	3.2	8.2	2.8	0.0	29
30	0.0	0.0	8.9	127 *	75	75	38	7.4	3.4	8.2	3.4	0.0	30
31	0.0	0.0	7.8	1510	68	68	68	6.5	6.5	5.6	6.1	0.0	31
MEAN	0.2	0.2	17.7	99.3	260	202	59.7	20.5	3.8	2.1	4.2	1.3	MEAN
MAX.	3.3	4.5	110	1510	956	601	108	44	8.3	8.2	8.4	4.7	MAX.
MIN.	0.0	0.0	1.1	2.4	48	63	38	6.5	0.3	0.0	0.3	0.0	MIN.
AC. FT.	10	10	1090	6110	14960	12400	3550	1270	224	127	258	75	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM				TOTAL ACRE FEET	
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
55.2	2520	13.17	1	31	0600	0.0		10	1		40,080

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD				DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.S.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
38 14 48	121 13 03	NE 32 5N 7E	24,000	15.28	4-3-1958	OCT 26-SEPT 33 OCT 44-DATE	OCT 26-SEPT 33 OCT 44-DATE	1944	1945	55.83 52.83	USCGS USCGS	

Station located below county road bridge, 4 miles east of Galt. Tributary to Mokelumne River. Records furnished by USGS. Drainage area is 329 square miles.



TABLE B-5

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	H01580	DEEM CREEK NEAR SLOUGHHOUSE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	5.0	1.9	4.6	10	11	2.4	0.0	0.0	0.0	0.0	1
2	0.0	0.0*	4.4	1.9	2.8	9.9	15	2.3	0.0	0.0*	0.0*	0.0	2
3	0.0*	0.0	2.5	1.9	2.3	8.6	12	2.2	0.0	0.0	0.0	0.0	3
4	0.0	0.0	4.4*	1.7	1.8	7.8	9.9	2.0	0.0	0.0	0.0	0.0	4
5	0.0	0.0	4.1	1.6	1.5	7.9	9.2	2.2	0.0	0.0	0.0	0.0	5
6	0.0	0.0	1.5	1.6	1.2	7.4	8.7	2.5	0.0	0.0	0.0	0.0*	6
7	0.0	0.0	1.1	1.6	1.1	7.8	7.9	2.3	0.0	0.0	0.0	0.0	7
8	0.0	0.0	1.7	1.7	9.9	12.3	7.3	1.9	0.0	0.0	0.0	0.0	8
9	0.0	0.0	6.3	1.9	9.0	4.0	7.0	1.4*	0.0	0.0	0.0	0.0	9
10	0.0	0.0	4.3	1.5	8.8	2.1	6.7	1.1	0.0	0.0	0.0	0.0	10
11	0.0	0.0	3.4	3.4	8.3	1.6	6.6	1.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	3.0	1.2*	7.6	1.4	5.6	1.2	0.0	0.0	0.0	0.0	12
13	0.0	0.0	2.4	7.4	7.4	2.9	5.4	2.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	2.2	6.2	6.9	3.9	5.2	5.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0*	2.2*	1.25	5.7*	3.1	4.9	7.0	0.0	0.0*	0.0*	0.0	15
16	0.0*	0.0	2.2	5.6*	5.5	2.13	4.9	4.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	2.2	2.2	8.2	1.39	4.9*	2.7	0.0*	0.0	0.0	0.0	17
18	0.0	0.0	2.8	1.3	5.2	5.3	4.5	2.1	0.0	0.0	0.0	0.0	18
19	0.0	0.0	3.6	9.7	9.2	3.4	4.5	1.8	0.0	0.0	0.0	0.0	19
20	0.0	0.0	4.5	8.1	6.54*	2.5	4.3	1.4	0.0	0.0	0.0	0.0	20
21	0.0	0.0	3.3	7.2	3.21*	2.1	4.4	1.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	2.7	6.3	8.5	1.8	4.2	1.1	0.0	0.0	0.0	0.0	22
23	0.0	0.0	2.5	5.7	6.8	1.6	4.0	1.1	0.0	0.0	0.0	0.0*	23
24	0.0	0.0	2.2	5.2	4.5	1.5	4.0	0.9*	0.0	0.0	0.0	0.0	24
25	0.0	0.0	2.2	4.9	2.8	1.3	3.8	1.3	0.0	0.0	0.0	0.0	25
26	0.0	0.0	2.2	4.9	2.0	1.3	3.6	1.4	0.0	0.0	0.0	0.0	26
27	0.0	0.0	2.2	4.5	1.6	1.1	3.4	1.4	0.0	0.0	0.0	0.0	27
28	0.0	0.0	2.1	4.4	1.4	1.0	3.2	1.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	1.9	4.1	1.2	9.7	2.9	0.4	0.0	0.0	0.0	0.0	29
30	0.0	0.0	1.9	3.40	9.4	9.4	2.7	0.1	0.0	0.0	0.0	0.0	30
31	0.0	0.0	1.9	2.46	9.3	9.3	0.0	0.0	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	5.3	30.9	59.0	31.7	6.1	1.9	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	41.0	340	654	213	15.0	7.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	1.9	1.6	5.5	7.4	2.7	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.			326	1899	3394	1947	360	115					AC. FT.

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
 = - E AND R

MEAN DISCHARGE		MAXIMUM					MINIMUM					TOTAL ACRE FEET
11.1	1720	9.46	02	20	0345	0.0	5.80	10	01	0000	8042	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
38 33 06	121 06 30	NW 16 8N 8E	6,560	E	12.86	10-13-1962	NOV 1959-DATE	NOV 1959-DATE	1959		0.00	LOCAL

Station located 0.2 mile above Scott Road bridge, 5.9 miles northeast of Sloughouse. Tributary to Cosumnes River. Drainage area is 46.0 square miles.

TABLE B-5 (Cont.)

**DAILY MEAN DISCHARGE**  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	B01125	COSUMNES RIVER AT McCONNELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	1.8	78	68	1060	630 *	633	235	53	0.0	0.0	0.0	1
2	0.0	3.3	99	65	532	580	792	232	49	0.0 *	0.0	0.0	2
3	0.0	9.4	73	65	507	524	704	228	45	0.0	0.0	0.0	3
4	52	8.0	84	60	462	482	630	216	25	0.0	0.0	0.0	4
5	91	9.8	127	53	375	450	580	209	28	0.0	0.0	0.0	5
6	53	11 *	405	50	321	429	546	200	28	0.0	0.0	0.0	6
7	40	9.8	216	53	302	408	510	190	32	0.0	0.0	0.0	7
8	32	9.4	186 *	52 *	282	737	479	179	36	0.0	0.0	0.0	8
9	26	8.0	171	58	261	1080	459	169	32	0.0	0.0	0.0	9
10	24	7.2	122	65	276	712	450 *	159 *	25	0.0	0.0	0.0	10
11	28	6.6	98	190	308	535	447	155	17	0.0	0.0	0.0	11
12	15	5.8	89	232	264	456	453	147	16	0.0	0.0 *	0.0	12
13	12	9.8	82	146	240	456	438	149	16 *	0.0	0.0	0.0	13
14	10	12	73	118	223	840	417	200	14	0.0	0.0	0.0	14
15	9.4	17	49	249	209	860	408	240	10	0.0	0.0	0.0	15
16	11 *	33	43	934	207	772	399	192	8.5	0.0	0.0	0.0	16
17	11	40	62	566	264	1850	381	167	7.0	5.0	0.0	0.0	17
18	8.9	27	71	340	947	1260	342	151	0.0	2.0	0.0	0.0	18
19	6.6	28	82	244	792	872 *	318	138	0.0	4.0	0.0	0.0	19
20	6.6	135	91	198	3000	704	305	131	0.0	1.0	0.0	0.0	20
21	5.8	125	84	173	4310	605	297	120	0.0	3.0	0.0	0.0	21
22	8.0	70	74	155	3250	580	282	116	0.0	2.0	0.0	0.0	22
23	8.4	46	68	146	1920	566	266	113	0.0	0.0	0.0	0.0	23
24	8.0	35	65	138	1850	549	252	99	0.0	0.0	0.0	0.0	24
25	8.4	34	66	132	1350	542	244	96	0.0	0.0	0.0	0.0	25
26	7.1	32	71	127	1080	566	237	87	0.0	0.0	0.0	0.0	26
27	9.4	30	74	125	904	574	232	86	0.0	0.0	0.0	0.0	27
28	8.4	30	79	144	792	556	232	79	0.0	0.0	0.0	0.0	28
29	8.4	35	81	140	708	546	232	73	0.0	0.0	0.0	0.0	29
30	8.0	49	81	185 *		580	237	70	0.0	0.0	0.0	0.0	30
31	5.8		76	2200		622		59		0.0	0.0		31
MEAN	16.8	29.3	101	241	931	675	407	151	14.7	0.6	0.0	0.0	MEAN
MAX.	91	135	405	2200	4310	1850	792	240	53	5.0	0.0	0.0	MAX.
MIN.	0.0	1.8	43	50	207	408	232	59	0.0	0.0	0.0	0.0	MIN.
AC. FT.	1040	1740	6190	14820	53550	41500	24200	9290	876	34			AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	
211	4940	39.57	2 20 2200	0.0		10 1	153,200

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 21 29	121 20 34	20 6N 6E	54,000	46.26	12-23-1955	OCT 1941-DATE	JAN 31-MAY 40 #	1931		0.00	USED
							OCT 41-DATE				

Station located on U. S. Highway 99 bridge, 0.2 mile south of McConnell, 7.0 miles north of Galt. Maximum discharge of record listed is for period 1943 to date. Records furnished by USGS. Drainage area is 724 square miles.

# - Flood season only.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A00020	MORRISON CREEK NEAR SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.6	7.3	5.8	3.4	19	8.4	20	6.4	3.8	5.6	3.7	0.8	1
2	6.1	5.0	1.3	5.2	17	6.2	10	6.6	2.3	5.3	4.2	0.9	2
3	5.2	4.6	2.2	5.6	8.6	5.0	5.9	6.6	3.2	4.7	2.7	3.8	3
4	5.4	3.6	28	5.6	5.4	7.0	5.7	3.8	5.4	4.3	1.5	5.9	4
5	12	3.4	38	5.4	7.6	6.8	6.1	4.5	5.3	6.0	4.1	6.2	5
6	6.1	7.6	6.3	3.1	7.3	7.1	3.0	7.4	4.3	6.3	7.1	6.1	6
7	5.2	12	25	2.4	6.5	25	2.8	6.7	9.3	4.9	7.9	3.4	7
8	4.0	15	15	5.6	6.1	44	5.4	6.2	4.0	3.2	6.9	2.7	8
9	5.2	9.0	6.1	6.8	5.8	19	5.8	5.9	2.9	2.9	8.1	6.5	9
10	5.4	5.0	4.2	80	3.9	8.7	5.4	5.7	4.6	3.9	5.0	8.9	10
11	5.6	1.2	6.1	23	3.7	9.9	5.8	3.5	5.4	2.6	3.2	7.6	11
12	5.8	0.9	5.8	9.3	5.8	39	2.7	2.5	5.6	3.8	5.2	6.4	12
13	3.8	2.4	5.2	4.8	6.1	78	1.8	9.7	5.5	2.9	6.4	6.7	13
14	2.4	11	5.2	39	6.4	42	1.9	12	5.7	1.7	5.9	3.8	14
15	3.6	2.8	5.6	71	6.1	23	4.3	6.2	3.8	3.5	5.7	2.6	15
16	5.8	2.1	4.4	22	28	45	4.9	5.2	3.6	3.7	5.0	5.5	16
17	5.8	1.7	4.0	10	47	35	4.3	5.5	5.0	3.9	1.7	6.5	17
18	5.6	0.8	14	7.6	18	17	4.9	3.8	6.3	4.7	1.0	6.5	18
19	6.1	1.0	7.6	7.3	37	11	5.2	3.3	6.2	6.0	1.6	5.6	19
20	5.2	3.3	6.3	4.4	121	9.7	2.4	4.8	5.7	3.2	2.4	5.0	20
21	4.2	3.1	6.3	3.3	125	8.1	1.6	5.9	5.9	1.8	3.6	2.3	21
22	3.6	3.0	4.2	5.2	45	7.9	4.7	5.9	4.4	4.3	4.0	2.1	22
23	4.2	1.2	3.3	5.8	28	5.5	5.6	5.8	3.7	5.5	3.6	5.3	23
24	37	0.8	3.0	5.6	18	4.4	4.6	5.6	5.5	4.2	1.2	7.6	24
25	149	0.8	2.8	5.6	11	5.8	4.7	3.9	8.1	3.9	0.7	6.9	25
26	131	0.6	5.6	5.6	11	6.2	4.2	3.9	7.5	4.0	2.8	6.2	26
27	25	3.3	6.1	3.3	9.9	5.8	2.3	7.9	7.6	2.4	3.3	5.0	27
28	11	1.9	5.8	3.1	8.1	5.7	2.4	9.0	7.7	2.1	3.4	2.4	28
29	7.8	21	8.1	8.4	7.5	6.0	5.5	9.1	4.9	2.3	4.2	1.5	29
30	8.1	25	5.6	219		3.6	6.0	6.4	4.3	4.9	4.2	6.0	30
31	7.8		4.2	73		3.4		5.3		3.9	1.8		31
MEAN	16.0	5.4	8.1	21.3	21.7	16.4	5.0	6.0	5.2	4.0	3.9	4.9	MEAN
MAX.	149	25	38	219	125	78	20	12	9.3	6.3	8.1	8.9	MAX.
MIN.	2.4	0.6	1.3	2.4	3.7	3.4	1.6	2.5	2.3	1.7	0.7	0.8	MIN.
AC. FT.	985	318	498	1310	1250	1010	297	367	312	243	242	291	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
9.81	394	3.90	2	21	0415	0.6		11	26		7120

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 29 55	121 27 06	SE 32 8N 5E	1,320	7.09	10-14-1962	JULY 1959-DATE	JULY 1959-DATE	1959	1960	8.15	USCGS
								1960	1965	10.31	USCGS
								1964		7.60	USCGS

Station located 750 feet above Florin Road in southeast Sacramento. Tributary to Snodgrass Slough via Beach and Stone Lakes. Records furnished by U. S. Geological Survey. Drainage area is 48.6 square miles.

TABLE B-5 (Cont.)  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	B89200	KELLOGG CREEK NEAR BYRON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.1	0.1	0.1	0.1	1.9	0.4	0.6	0.1	0.2	0.1	0.1	0.2	1
2	0.1	0.0	0.0	0.1	1.4	0.4	1.1	0.1	0.2	0.1	0.1	0.2	2
3	0.1	0.0	0.1	0.2 *	1.2	0.4	0.7	0.1	0.2	0.1	0.1	0.2	3
4	0.1	0.0	0.1	0.2	0.9	0.4	0.4	0.1	0.2	0.1	0.1	0.2	4
5	0.1 *	0.1	0.2	0.2	0.8	0.4	0.3	0.1	0.2	0.1	0.1	0.2	5
6	0.1	0.0	0.1	0.2	0.7	0.3	0.2	0.2	0.2	0.1	0.1	0.2	6
7	0.1	0.0	0.1	0.2	0.7	0.3	0.2	0.2	0.2	0.1	0.1	0.2	7
8	0.1	0.0	0.1	0.3	0.7	2.1	0.2	0.2	0.2	0.1	0.2	0.2	8
9	0.1	0.0	0.1	0.3	0.6	1.3	0.2	0.2	0.1	0.1	0.2	0.2	9
10	0.1	0.0	0.1	0.3	0.6	0.6	0.2 *	0.2	0.1	0.1	0.2	0.3	10
11	0.1	0.0	0.1	0.3	0.6	0.5	0.2	0.2	0.1	0.1	0.2	0.3	11
12	0.1	0.0	0.1	0.3	0.6	0.5	0.2	0.2	0.1	0.1	0.2	0.3	12
13	0.1	0.0	0.1	0.3	0.6	3.3	0.1	0.2	0.1	0.1	0.2	0.2	13
14	0.1	0.0	0.1	0.3	0.5	1.5	0.1	0.2	0.1	0.1	0.2	0.2	14
15	0.1	0.0	0.1	0.6	0.5	0.8	0.1	0.2	0.1	0.1	0.2	0.2	15
16	0.1	0.0	0.2	0.8	0.8	0.9	0.1	0.2	0.1	0.1	0.2	0.2	16
17	0.1	0.0	0.2	0.6	1.1	1.6	0.1	0.2	0.1	0.1	0.2	0.2	17
18	0.1	0.0	0.3	0.4	1.0	1.0	0.1	0.2	0.1	0.1	0.2	0.2	18
19	0.1	0.0	0.2	0.4	0.8	0.7	0.1	0.2	0.1	0.1	0.2	0.2	19
20	0.1	0.0	0.1	0.4	0.7	0.6	0.1	0.2	0.1	0.1	0.2	0.2	20
21	0.1	0.0	0.1	0.5	1.0	0.5	0.1	0.2	0.1	0.1	0.2	0.2	21
22	0.1	0.0	0.1	0.5	1.7	0.6	0.1	0.2	0.1	0.1	0.2	0.2	22
23	0.1	0.0	0.1	0.6	1.1	0.6	0.1	0.2	0.1	0.1	0.2	0.2	23
24	0.1	0.0	0.1	0.6	0.9	0.5	0.1	0.2	0.1	0.1	0.2	0.2	24
25	0.1	0.0	0.1	0.7	0.7	0.5	0.1	0.2	0.1	0.1	0.2	0.2	25
26	0.1	0.0	0.1	0.8	0.6	0.5	0.1	0.2	0.1	0.1	0.2	0.2	26
27	0.0	0.0	0.1	0.8	0.5	0.4	0.1	0.2	0.1	0.1	0.2	0.2	27
28	0.0	0.1	0.1	0.9	0.5	0.4	0.1	0.2	0.1	0.1	0.2	0.2	28
29	0.0	0.1	0.1	0.9	0.5	0.4	0.1	0.2	0.1	0.1	0.2	0.2	29
30	0.1	0.1	0.1	9.5 *		0.4	0.1	0.2	0.1	0.1	0.2	0.2	30
31	0.1			12		0.4		0.2		0.1	0.2		31
MEAN	0.1	0.0	0.1	1.1	0.8	0.7	0.2	0.2	0.1	0.1	0.2	0.2	MEAN
MAX.	0.1	0.1	0.3	12.0	1.9	3.3	1.1	0.2	0.2	0.1	0.2	0.3	MAX.
MIN.	0.0	0.0	0.0	0.1	0.5	0.3	0.1	0.1	0.1	0.1	0.1	0.2	MIN.
AC. FT.	6	1	7	68	48	46	12	11	8	6	11	12	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	
0.3	32	3.92	1 30 2345	0.0		10 27 1430	236

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 52 18	121 41 52	SE 1 1S 2E				MAR 65-OCT 65	MAR 65-DATE	1965	1966	0.00	USCGS
						APR 66-DEC 66	APR 66-DEC 66	1967	DATE	0.00	LOCAL
						JAN 67-DATE	JAN 67-DATE				

Station located at Vasco Road bridge, 4.0 miles west of Byron. Prior to January 1967, station was located below Bixler Road bridge. Tributary to Old River via Indian Slough.



**TABLE B-5 (Cont.)**  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	B95925	DELTA MENDOTA CANAL NEAR TRACY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2887	864	321	0	1338	1662	3264	4433	3653	4903	4466	4934	1
2	2885	867	284	0	1467	2045	3448	4438	3650	4703	4469	4932	2
3	2747	1006	284	0	1355	3382	3439	4446	3701	4700	4485	3728	3
4	2595	870	575	0	1894	1757	3424	4433	3860	4799	4395	868	4
5	2132	869	576	0	1040	2661	3427	4902	3886	4678	4396	866	5
6	1991	867	573	0	1214	3172	3429	4405	3866	4702	4394	1172	6
7	2200	867	464	0	1502	2525	4887	4406	3846	4709	4296	4044	7
8	2202	755	428	0	1503	3151	3228	4420	4133	4713	4273	4039	8
9	2135	861	212	0	1504	3184	3418	4429	4144	4715	4312	4681	9
10	2066	1058	140	0	1504	4916	3419	4395	4144	4653	4314	1188	10
11	2199	3218	320	0	2446	3271	3410	4420	4214	4802	4311	4528	11
12	1798	3225	609	0	1497	2915	3429	4876	4434	4822	4305	1183	12
13	2273	1068	608	0	1499	3224	3931	4417	4423	4910	3845	1524	13
14	1953	321	642	0	1874	3348	4901	4364	4424	4895	2714	3815	14
15	1724	1094	997	0	2048	3227	3935	4132	4127	4730	2542	4913	15
16	1718	962	1500	0	2227	3250	3947	4129	3868	4696	3520	4435	16
17	1169	997	1715	0	1547	4825	3942	3969	3873	4506	3530	4411	17
18	1093	964	209	70	2078	3058	3930	4188	3939	4384	3783	3952	18
19	1094	965	568	931	1868	3147	3864	4766	3881	4331	3682	3949	19
20	1095	900	468	1471	1978	3149	3489	4105	4141	4370	3951	3948	20
21	1096	759	533	863	2044	3097	3486	3933	4194	4755	3951	3929	21
22	1065	754	534	2233	2960	3147	3527	3932	4271	4906	3905	4890	22
23	997	717	213	1723	929	3440	4103	4181	4311	4906	4572	3914	23
24	865	642	0	1790	1243	4904	4384	4389	4387	4904	4905	3918	24
25	717	571	0	1920	2632	3245	4394	4243	4457	4901	4895	3922	25
26	716	572	102	2195	1143	3428	4244	4884	4529	4904	4890	3927	26
27	716	572	104	1737	2602	3395	3548	2649	4934	4906	4886	3933	27
28	717	573	176	1515	1868	3419	3362	1727	4926	4900	4890	3949	28
29	723 A	573	107	938	1100	3422	3491	1975	4910	4890	2029	4455	29
30	716	574	0	1152		3432	4432	4906	4898	4670	857	3957	30
31	864		0	1249		4921		4206		4503	1184		31
MEAN	1585	964	428	638	1721	3281	3771	4164	4201	4738	3902	3597	MEAN
MAX.	2887	3225	1715	2233	2960	4921	4901	4906	4934	4910	4905	4934	MAX.
MIN.	716	321	0	0	929	1662	3228	1727	3650	4331	857	866	MIN.
AC. FT.	97543	57332	26305	39247	98983	201757	224116	256062	249965	291304	239895	214024	AC. FT.

**WATER YEAR SUMMARY**

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*  
 A - 25-Hour Day  
 B - 23-Hour Day

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
2,750											1,996,533

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 47 45	121 35 05	SW 31 1S 4E				JUNE 1951-DATE	JUNE 1951-DATE	1951		0.00	USCGS

Station located at Tracy Pumping Plant at intake to canal, 6 miles southeast of Byron, 10 miles northwest of Tracy. Discharge computed from records of operation of pumps. Water is diverted from Sacramento-San Joaquin Delta by way of Old River and a dredged channel to the Tracy Pumping Plant where it is lifted about 200 feet into the canal. Records are furnished by the U. S. Bureau of Reclamation.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	B95910	CONTRA COSTA CANAL NEAR OAKLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	114	106	83	72	96	38	90	182	223	232	223	186	1
2	113	109	82	74	96	41	95	191	216	226	214	166	2
3	108	110	77	81	91	35	100	205	220	219	216	171	3
4	108	106	84	77	88	34	96	198	214	205	226	182	4
5	101	95	77	79	89	34	102	199	213	206	222	183	5
6	94	95	76	107	82	39	94	195	208	217	211	186	6
7	91	105	78	107	82	40	90	211	216	221	212	185	7
8	88	99	89	115	81	36	110	200	210	232	218	188	8
9	86	99	94	109	73	38	109	201	219	231	209	186	9
10	94	101	90	103	64	38	104	152	208	238	198	190	10
11	90	102	94	97	53	40	124	111	206	232	196	189	11
12	96	90	86	110	55	42	142	108	220	212	188	197	12
13	106	91	90	100	55	46	112	103	221	219	190	195	13
14	97	90	97	97	59	49	129	107	223	213	195	192	14
15	98	89	92	86	61	54	140	118	222	203	190	105	15
16	100	90	85	90	55	53	140	133	218	207	188	187	16
17	106	90	82	92	56	53	140	122	221	234	186	203	17
18	101	87	79	94	56	56	130	122	223	236	184	213	18
19	112	82	79	87	32	58	135	123	218	235	177	202	19
20	107	87	78	84	25	51	142	131	235	239	176	190	20
21	106	85	68	82	35	55	150	142	225	227	182	197	21
22	106	89	67	84	42	56	145	146	233	230	184	195	22
23	105	86	71	84	44	58	145	147	234	227	161	201	23
24	104	84	69	84	44	50	147	148	239	228	163	203	24
25	97	84	55	88	45	45	159	141	243	218	173	180	25
26	98	85	62	88	46	46	165	140	245	222	176	185	26
27	99	78	63	90	48	53	171	146	241	230	177	181	27
28	105	77	73	90	48	63	165 B	166	240	236	180	179	28
29	107 A	80	85	102	46	90	164	197	231	228	186	181	29
30	107	82	72	84		102	172	214	228	220	203	159	30
31	98		77	89		100		222		221	208		31
MEAN	101	92	79	91	60	51	130	159	224	224	194	185	MEAN
MAX.	114	110	97	115	96	102	172	222	245	239	226	213	MAX.
MIN.	86	77	55	72	25	34	90	103	206	205	161	105	MIN.
AC. FT.	6241	5460	4867	5605	3465	3160	7736	9761	13315	13773	11925	11026	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
1,327											96,334

A - 25 Hour Day  
 B - 23 Hour Day

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 59 45	121 42 00	NE 25 2N 2E				FEB 1950-DATE	FEB 50-DEC 52	1950	1952	121.72	USCGS

Station located at Pumping Plant No. 1, 0.7 mile east of Oakley, 2.6 miles northwest of Knightsen. Water is diverted from Sacramento-San Joaquin Delta by way of Old River, Rock Slough, and a dredged channel. A series of 4 pumping plants lift the water about 115 feet into canal. Records furnished by USBR.



TABLE B-5 (Cont.)  
**DAILY MEAN DISCHARGE**  
 (IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	B89100	MARSH CREEK NEAR BYRON

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	18	2.9	3.7	0.0	0.0	0.0	0.0	0.0	1
2	0.0	0.0 *	0.0	0.0	11	2.7	4.5	0.0	0.0	0.0 *	0.0	0.0	2
3	0.0	0.0	0.0	0.0	8.3	2.1	3.5	0.0	0.0	0.0	0.0	0.0	3
4	0.0	0.0	2.5	0.0	6.6	2.0	2.9	0.0	0.0 *	0.0	0.0	0.0	4
5	0.0	0.0	1.5	0.0	5.5	1.9	2.4 *	0.0	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0 *	0.0	4.9	2.0 *	2.5	0.0	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	4.5 *	2.3	2.5	0.0 *	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0 *	3.9	4.8	1.8	0.0	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	3.2	2.9	2.0	0.0	0.0	0.0	0.0	0.0 *	9
10	0.0	0.0	0.0	1.5	3.2	1.9	1.8	0.0	0.0	0.0	0.0	0.0	10
11	0.0 *	0.0	0.0	1.8	2.9	1.7	1.7	0.0	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.8	2.9	2.4	1.6	0.0	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.7	2.5	11	1.2	0.0	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.8	2.1	7.2	1.4	0.0	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	3.0	2.0	5.8	1.2	0.0	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	2.0	3.1	8.8	1.2	0.0	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	1.1	6.3	10	1.1	0.0	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.8	6.6	7.5	1.0	0.0	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.8	5.8	6.3	1.0	0.0	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.8	9.8	5.3	0.9	0.0	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.8	11	5.1	0.9	0.0	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.8	9.7	4.9	0.8	0.0	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	1.0	7.7	4.5	0.8	0.0	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	1.2	6.6	4.1	0.9	0.0	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	1.6	5.8	2.7	0.8	0.0	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	1.6	4.7	3.4	0.7	0.0	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	1.7	4.1	3.5	0.5	0.0	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	1.9	3.7	3.2	0.3	0.0	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	1.9	3.2	2.9	0.0	0.0	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	68		2.9	0.0	0.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	48		3.4		0.0		0.0	0.0		31
MEAN	0.0	0.0	0.1	4.6	5.8	4.3	1.5	0.0	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	2.5	68	18	11	4.5	0.0	0.0	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	2.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0	0	7.9	283	336	262	91	0	0	0	0	0	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 # - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL				
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
1.3	115	3.97	1	30	1000	0		10	1		980

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 52 25	121 43 35		3,880	11.62	1-31-1963	FEB 1953-DATE	FEB 1953-DATE	1953		177.87	USCGS

Station located 40 feet below highway bridge, 1.2 miles above Marsh Creek Dam, 5.0 miles west of Byron. Station affected by backwater from Marsh Creek Reservoir. Maximum gage height of record is 12.98 feet on December 23, 1955. Tributary to San Joaquin River. Records furnished by USGS. Drainage area is 42.6 square miles.

TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	G12200	BIDWELL CREEK NEAR FORT BIDWELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.1	4.3	5.7 E	4.3 E	5.1 E	21	26	26	25	7.9	3.8	3.4	1
2	6.5	4.3	5.7 E	4.1 E	5.4 E	19	23	26	26	7.5	3.8	3.4	2
3	6.0 *	4.1	5.7 E	4.1 E	6.0	18	21	26	27	7.1	3.6	3.2	3
4	5.1	4.1	6.0 E	4.1 E	5.7	18	19	27	26	6.8	3.6	3.2	4
5	5.1	4.3	6.0 E	3.9 E	5.7	18	19	27	29	6.5	3.2	3.0	5
6	5.1	4.6	5.7 E	3.9 E	6.0	17	16	24	27 E	6.3 *	3.0	3.0	6
7	5.1	4.3 *	6.3 #	4.1 E	6.3 *	16	16	23	25 E	6.3	3.0	3.0	7
8	4.9	4.3	6.3 E	3.9 E	6.3	14	16	21	23 E	6.0	2.9	3.0	8
9	4.3	5.4	6.3 E	3.9 E	7.1	13	17	21	21 E	6.0	3.0	3.0	9
10	4.3	5.4	6.3 E	3.9 E	7.5	12	22	23	19 #	5.7	2.9	3.0 *	10
11	4.6	5.1	6.5 E	3.9 E	7.9	11	26	23	19	5.7	2.9	3.0 *	11
12	4.6	4.6	6.5 E	3.9 E	6.8	10	26	23	18	5.7	2.9	3.0	12
13	4.3	4.9	6.5 E	3.9 E	6.3	11	24	24	18	5.7	3.0	3.0	13
14	4.3	5.4	6.5 E	4.9 E	5.4	10	24	24	16	5.4	4.3	3.2	14
15	4.3	4.9	6.5 E	14	5.1	9.4	23	25 *	16	5.4	3.4	3.2	15
16	4.3	4.6	6.5 E	12	4.6	9.4	23	23	15	5.1	5.1	3.2	16
17	4.3	3.9	6.5 E	9.4 E	5.7	9.0	21	23	14	4.9 *	4.3	3.2	17
18	4.1 *	7.1	6.5 E	8.3 E	6.5	9.8	20	23	13	4.6	6.8	3.2	18
19	4.3	6.5	6.5 E	6.3 E	13	10	19	26	13	4.1	21	3.0	19
20	4.3	5.1	6.5 E	6.0 E	29 *	10 *	18	28	13 *	4.1	11	3.2	20
21	5.7	4.6 *	6.5 E	6.0 E	29	9.8	18	29	12	3.9	8.3	3.4	21
22	5.7	4.3	6.5 E	6.3 E	31	9.8	17	28	12	3.9	6.5	3.4	22
23	5.1	4.6	6.5 E	6.3 E	80	9.8	17 *	27	11	3.9	5.7	3.4	23
24	4.6	4.6	6.5 E	6.3 E	42	10	17	25	11	3.8	4.9	3.2	24
25	4.9	4.3	6.5 E	6.3 E	30	11	17	24	9.8	3.8	4.6	3.0	25
26	4.6	4.6 E	6.5 E	6.3 E	27	11	18	23	8.7	3.8	4.3	3.0	26
27	4.9	5.4 E	6.3 E	6.3 E	25	11	18	23	9.4	3.4	4.1 *	2.9	27
28	8.3	5.7 E	4.9 E	6.3 E	23	14	19	25	9.0	3.2	3.9	2.9	28
29	4.9	5.4 E	4.3 E	6.3 E	21	18	22	26	9.0	3.0	3.8	3.0	29
30	4.9	5.7 E	4.3 E	6.3 E	23	23	25	27	8.7	3.0	3.8	3.0	30
31	4.6	4.3 E	4.3 E	6.0 E	25	25	25	26	3.2	3.6	3.6	3.0	31
MEAN	4.9	4.9	6.1	5.9	15.8	13.5	20.2	24.8	16.8	5.0	4.9	3.1	MEAN
MAX.	8.3	7.1	6.5 E	14	80	25	26	29	29	7.9	21	3.4	MAX.
MIN.	4.1	3.9	4.3 E	3.9 E	4.6	9.0	16	21	8.7	3.0	2.9	2.9	MIN.
AC. FT.	304	290	373 E	360 E	911	829	1204	1525	999	309	300	186	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
10.5	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	7590
	106	3.82	2	23	1130						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
41 52 57	120 10 25	SE6 46N 16E	682	5.64	12-24-64	APR 55-OCT 57 & MAY 58-DATE	APR 55-OCT 57 & MAY 58-DATE	1958		0.00	LOCAL

Station located E of New Pine Creek-Fort Bidwell Highway, 2.0 mi. NW of Fort Bidwell. Tributary to Upper Alkali Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 26 sq. mi.

8 - Irrigation season only.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	G15150	CEDAR CREEK AT CEDARVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.3	0.3	0.8	1.1	1.3	14	13	9.0	4.2	0.8	0.6	0.4	1
2	0.4	0.3	0.8	1.0	2.3	12	14	8.4	4.0	0.8	0.4	0.4	2
3	0.6 *	0.3	0.8	1.0	2.8	12	13	8.4	4.0	0.7	0.2	0.4	3
4	0.4	0.2	1.0	1.0	2.7	12	13	8.7	3.6	0.6	0.1	0.3	4
5	0.4	0.2	1.0	1.0	2.6	12	13	8.4	4.4	0.7	0.1	0.3	5
6	0.4	0.2	0.9	1.0	2.6	10	12	8.1	4.4	0.6	0.1	0.2	6
7	0.4	0.2	1.1 *	1.0	2.8 *	9.3	12	7.8	3.6	0.6	0.1	0.2	7
8	0.3	0.2 *	1.0	0.9	3.1	8.4	12	7.6	3.3	0.5	0.1	0.2	8
9	0.3	0.4	1.1	1.0	3.1	7.8	14 *	7.3	3.0	0.4	0.1	0.2	9
10	0.3	0.4	1.0	0.9	3.1	7.6	15	7.3	2.7	0.4	0.1	0.2	10
11	0.3	0.3	1.0	0.9	3.3	7.0	17	7.3	2.6 *	0.4	0.1	0.2 *	11
12	0.3	0.3	1.0 E	0.9	3.3	6.7	15	7.3	2.3	0.4	0.1	0.2	12
13	0.3	0.3	1.0 E	0.9	3.1	6.5	13	7.6	2.1	0.4	0.1	0.2	13
14	0.3	0.4	1.0 E	1.2	3.0	6.2	13	7.6	2.0	0.4	0.4	0.2	14
15	0.3	0.4	1.0 E	1.9	2.8	5.9	13	7.6	1.9	0.4	0.4	0.3	15
16	0.3	0.3	1.0 E	2.0	2.7	6.2	12	7.3 *	1.8	0.4	0.7	0.3	16
17	0.3	0.3	1.0 E	1.8	4.0	5.9	11	6.7	1.7	0.4	0.5	0.2	17
18	0.3 *	1.2	1.0	1.7	5.6	6.2	9.9	6.5	1.6	0.4 *	1.0	0.2	18
19	0.3	1.1	1.0	1.7	13	6.2	10	7.0	1.4	0.4	6.2	0.2	19
20	0.3	0.9	0.8	1.7	26 *	6.2 *	10	6.7	1.4	0.3	2.1	0.3	20
21	0.3	0.8 *	0.8	1.7	35	6.2	9.9	6.5	1.3 *	0.3	1.6	0.3	21
22	0.4	0.6	0.8	1.7	40	6.5	9.6	6.7	1.2	0.2	2.1	0.3	22
23	0.3	0.6	0.8	1.7	56	6.5	9.6	7.0	1.2	0.2	1.3	0.3	23
24	0.3	0.6	0.8	1.8	47	6.7	9.0 *	6.7	1.1	0.2	0.8	0.3	24
25	0.3	0.6	0.9	1.8	38	7.8	9.0	6.5	1.1	0.2	0.6	0.2	25
26	0.3	0.4	1.0	1.6	33	7.6	9.0	5.9	0.9	0.1	0.6	0.2	26
27	0.2	0.6	1.1	1.6	31	7.8	9.0	5.6	0.9	0.1	0.5	0.2	27
28	0.4	0.6	1.1	1.5	18	8.4	9.0	5.6	1.0	0.1	0.5	0.2	28
29	0.4	0.8	1.1	1.5	15	10	9.0	5.4	1.0	0.1	0.4	0.2	29
30	0.4	0.7	1.1	1.5	9.9	9.9	9.0	4.8	1.0	0.1	0.4	0.2	30
31	0.3		1.1	1.4	11	11		4.6		0.1	0.4		31
MEAN	0.3	0.5	1.0	1.4	14.0	7.9	11.6	7.0	2.2	0.4	0.7	0.2	MEAN
MAX.	0.6	1.2	1.1	2.0	56	14	17	9.0	4.4	0.8	6.2	0.4	MAX.
MIN.	0.2	0.2	0.8	0.9	1.3	5.9	9.0	4.6	0.9	0.1	0.1	0.2	MIN.
AC. FT.	21	29	59	84	806	487	688	432	132	23	45	15	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION  
OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM			MINIMUM			TOTAL ACRE FEET
3.9	DISCHARGE	GAGE HT.	MO. DAY TIME	DISCHARGE	GAGE HT.	MO. DAY TIME	2821
	81	4.93	2 23 0530				

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
41 31 48	120 11 15	SE6 42N 16E	62	3.95 E	2-8-60	MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL

Station located above Cedarville-Alturas Highway culvert, immediately W of Cedarville. Tributary to Middle Alkali Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 25 sq. mi.

ABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	G17150	EAGLE CREEK AT EAGLEVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.0	1.6	2.1 E	1.6 E	1.7 E	6.8 E	4.7	9.6	19	8.0	2.8	4.2	1
2	2.3	1.5	2.1 E	1.6 E	1.8 E	6.2 E	4.4	11	21	7.6	2.6	4.5	2
3	2.3 *	1.5	2.2 E	1.6 E	1.9 E	5.9 E	4.7	11	21	7.2	2.4	4.5	3
4	2.4	1.5	2.3 E	1.6 E	1.8 E	5.8 E	4.4	13	19	7.2	2.0	4.2	4
5	2.0	1.5	2.2 E	1.5 E	1.8 E	5.8 E	4.7	12	18	6.9	2.0	4.2	5
6	2.0	1.5	2.2 E	1.5 E	1.9 E	5.4 E	4.4	11	17	6.9	2.0 *	3.8	6
7	2.0	1.4	2.3 #	1.5 E	2.0 #	5.0 E	4.7	10	15	6.6	2.0	3.6	7
8	1.9	1.4 *	2.4 E	1.5 E	2.1 E	4.6 E	5.0 *	10	15	6.2	2.0	3.8	8
9	1.8	1.6	2.4 E	1.5 E	2.2 E	4.3 E	5.3	12	15	5.9	2.0	3.6	9
10	1.8	1.6	2.4 E	1.5 E	2.4 E	3.9 E	5.3	12	14	5.6	2.0	3.4 *	10
11	1.7	1.6	2.4 E	1.5 E	2.5 E	3.6 E	6.9	13	14 *	5.3	2.0	3.0 *	11
12	1.7	1.6	2.5 E	1.5 E	2.2 E	3.3 E	8.4	13	14	5.0	2.0	3.0	12
13	1.7	1.6	2.5 E	1.6 E	1.9 E	3.5 E	8.0	12	15	4.7	2.1	2.8	13
14	1.6	1.7	2.5 E	2.4 E	1.7 E	3.3 E	6.9	11	16	4.7	3.5	2.8	14
15	1.6	1.6	2.5 E	4.4 E	1.6 E	3.1 E	6.6	11	17	4.4	2.6	2.6	15
16	1.6	1.6	2.5 E	3.8 E	1.5 E	3.0	6.2	11 *	18	4.4	2.6	2.6	16
17	1.6	1.6	2.5 E	3.1 E	1.8 E	3.2	6.9	11	20	4.2	2.6	2.4	17
18	1.6 *	1.9	2.4 E	2.6 E	2.1 E	2.8	6.2	12	22	4.2 *	3.6	2.4	18
19	1.6	2.1	2.4 E	2.2 E	4.0 E	3.6	5.6	14	22	3.8	23	2.5	19
20	1.6	2.1	2.4 E	1.9 E	9.0 #	4.5 *	5.3	16	21	3.6	17	2.5	20
21	1.8	2.0 *	2.4 E	1.9 E	9.4 E	3.0	5.0	14	19	3.6	9.7	2.5	21
22	1.8	1.8 E	2.5 E	2.0 E	11 E	2.5	4.7	14	18	3.6	8.2	2.5	22
23	1.7	1.9 E	2.5 E	2.0 E	25 E	2.4	4.7 *	13	17	3.4	7.7	2.4	23
24	1.7	1.9 E	2.5 E	2.0 E	14 E	2.6	4.7	12	15	3.4	7.7	2.3	24
25	1.7	1.8 E	2.5 E	2.0 E	10 E	3.0	5.0	12	13	3.4	7.7	2.1	25
26	1.7	1.9 E	2.4 E	2.0 E	9.0 E	3.6	5.3	12	12	3.0	6.0	2.0	26
27	1.7	2.0 E	2.2 E	2.0 E	8.2 E	3.0	5.6	12	12	3.0	6.0 *	2.0	27
28	2.1	2.1 E	1.9 E	2.0 E	7.4 E	3.6	6.2	14	11	2.8	5.5	2.0	28
29	1.6	2.1 E	1.6 E	2.0 E	7.0 E	4.8	7.6	16	10	2.6	4.8	2.0	29
30	1.6	2.1 E	1.6 E	2.0 E		4.2	9.2	17	8.8	2.6	4.5	2.0	30
31	1.6		1.6 E	1.9 E		4.2		17		2.6	4.5		31
MEAN	1.8	1.7 E	2.3 E	2.0 E	5.1 E	4.0 E	5.8	12.5	16.3	4.7	5.0	2.9	MEAN
MAX.	2.4	2.1	2.5 E	4.4 E	25 E	6.8 E	9.2	17	22	8.0	23	4.5	MAX.
MIN.	1.6	1.4 E	1.6 E	1.5 E	1.5 E	2.4	4.4	9.6	8.8	2.6	2.0	2.0	MIN.
AC. FT.	111	103 E	141 E	123 E	295 E	247 E	342	771	970	290	308	175	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN DISCHARGE	MAXIMUM					MINIMUM					TOTAL ACRE FEET
5.3	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	3880
	NR					NR					

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
41 18 40	120 07 27	SE23 4ON 16E				MAY 58-DATE	MAY 58-DATE	1958		0.00	LOCAL

Station located 0.6 mi. SW of Eagleville. Tributary to Middle Alkali Lake. Stage-discharge relationship affected by ice at times.



TABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	G31150	PINE CREEK NEAR SUSANVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.0	0.0	0.0	0.0	0.0	181	236	12	0.9	0.0	0.0	0.0	1
2	0.0	0.0	0.0	0.0	0.0	154	230	13	0.4	0.0	0.0	0.0	2
3	0.0	0.0	0.0	0.0	0.0	102	193	14	0.1	0.0	0.0	0.0	3
4	0.0	0.0	0.0	0.0	0.0	105	166	15	0.0	0.0	0.0	0.0	4
5	0.0	0.0	0.0	0.0	0.0	154	163	16	0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	116	145	14	0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.0	85	129	14 *	0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	0.0	70	119	14	0.0	0.0	0.0	0.0	8
9	0.0	0.0	0.0	0.0	0.0	64	126 *	12	0.0	0.0	0.0	0.0	9
10	0.0	0.0	0.0	0.0	0.0	58	141	11	0.0	0.0	0.0	0.0	10
11	0.0	0.0	0.0	0.0	0.0	56	163	9.9	0.0	0.0	0.0	0.0	11
12	0.0	0.0	0.0	0.0	0.0	50	166	9.4	0.0	0.0	0.0	0.0	12
13	0.0	0.0	0.0	0.0	0.0	26	145	10	0.0	0.0	0.0	0.0	13
14	0.0	0.0	0.0	0.0	0.0	30	105	11	0.0	0.0	0.0	0.0	14
15	0.0	0.0	0.0	0.0	0.0	42	83	12	0.0	0.0	0.0	0.0	15
16	0.0	0.0	0.0	0.0	0.0	62	74 *	12	0.0	0.0	0.0	0.0	16
17	0.0	0.0	0.0	0.0	0.0	56	61	10	0.0	0.0	0.0	0.0	17
18	0.0	0.0	0.0	0.0	0.0	44	48	8.2	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.0	0.0	35 *	38	6.8	0.0	0.0	0.0	0.0	19
20	0.0	0.0	0.0	0.0	0.0	31	30	6.4	0.0	0.0	0.0	0.0	20
21	0.0	0.0	0.0	0.0	0.0	30	27	6.1	0.0	0.0	0.0	0.0	21
22	0.0	0.0	0.0	0.0	0.0	32	23	6.4	0.0	0.0	0.0	0.0	22
23	0.0	0.0	0.0	0.0	0.0	40	21	8.6	0.0	0.0	0.0	0.0	23
24	0.0	0.0	0.0	0.0	24	56	17	11	0.0	0.0	0.0	0.0	24
25	0.0	0.0	0.0	0.0	126	88	16	11	0.0	0.0	0.0	0.0	25
26	0.0	0.0	0.0	0.0	190	93	14	9.9	0.0	0.0	0.0	0.0	26
27	0.0	0.0	0.0	0.0	219	81	13	8.2	0.0	0.0	0.0	0.0	27
28	0.0	0.0	0.0	0.0	216	102	13	6.4	0.0	0.0	0.0	0.0	28
29	0.0	0.0	0.0	0.0	219	132	12	4.5	0.0	0.0	0.0	0.0	29
30	0.0	0.0	0.0	0.0		169	12	3.0	0.0	0.0	0.0	0.0	30
31	0.0	0.0	0.0	0.0		202		1.7	0.0	0.0	0.0	0.0	31
MEAN	0.0	0.0	0.0	0.0	34.3	82.1	91.0	9.9	0.0	0.0	0.0	0.0	MEAN
MAX.	0.0	0.0	0.0	0.0	219	202	236	16	0.9	0.0	0.0	0.0	MAX.
MIN.	0.0	0.0	0.0	0.0	0.0	26	12	1.7	0.0	0.0	0.0	0.0	MIN.
AC. FT.	0.0	0.0	0.0	0.0	1970	5050	5413	610	2.8	0.0	0.0	0.0	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
 NR - NO RECORD  
 \* - DISCHARGE MEASUREMENT OR OBSERVATION  
 OF NO FLOW MADE THIS DAY  
 † - E AND \*

MEAN DISCHARGE	MAXIMUM				MINIMUM				TOTAL ACRE FEET		
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
18.0	264	3.61	3	1	0015	0.0					13050

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 39 49	120 48 33	SE2 32N 10E				JUL 56-DATE	JUL 56-DATE	1956		0.00	LOCAL

Station located 1.8 mi. above mouth, 18 mi. NW of Susanville. Tributary to Eagle Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 225 sq. mi.

ABLE B-5 (Cont.)

DAILY MEAN DISCHARGE  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	G61200	LONG VALLEY CREEK NEAR DOYLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	7.5 E	7.5 E	7.7 E	4.7	14	27	23	14	6.6 E	3.0 E	3.0 E	3.0 E	1
2	7.5 E	7.5 E	7.7 E	4.3 *	12	26	24	15	6.6 E	3.0 E	3.0 E	3.0 E	2
3	7.5 E	7.5 E	8.8 E	3.4	37	23	24	15	6.6 E	3.0 E	3.0 E	3.0 E	3
4	7.5 E	7.5 E	9.4 E	3.7	31	22	23	16	6.6 *	3.0 E	3.0 E	3.0 E	4
5	7.5 E	7.5 E	10 E	4.4	27 *	20	22	13	7.3	3.0 E	3.0 E	3.0 E	5
6	7.5 E	7.5 E	11 E	3.7	21	20	22	13	12	3.0 E	3.0 E	2.8 #	6
7	7.5 E	7.5 E	12	3.7	21	20	21	10 *	11	3.0 E	3.2 #	2.9 E	7
8	7.5 E	7.5 E	12	4.4	19	26	21	9.8 E	7.3	3.0 E	3.0 E	3.0 E	8
9	7.5 E	7.5 E	5.0	4.1	24	33	20	9.7 E	6.2	3.0 #	3.0 E	3.1 E	9
10	7.5 E	7.5 E	5.8	8.8	37	30	19 *	9.5 E	5.4	3.0 E	3.0 E	3.2 E	10
11	7.5 E	7.5 E	5.0	5.4	23	24	20	9.4 E	4.4	3.0 E	3.0 E	3.3 E	11
12	7.5 E	7.5 E	5.0	4.7	22	22	19	9.3 E	6.2 *	3.0 E	3.0 E	3.4 E	12
13	7.5 E	7.5 E	5.4	6.2	22	20	17	9.1 E	5.4 *	3.0 E	3.0 E	3.5 E	13
14	7.5 E	7.7 *	13	4.4	20	20	16	9.0 E	5.4 E	3.0 E	3.0 E	3.6 E	14
15	7.5 E	7.7	33	7.4 E	18	20	16	8.9 E	5.0 E	3.0 E	3.0 E	3.7 E	15
16	7.5 E	7.3	34	23 E	17	21	20	8.7 E	5.0 E	3.0 E	3.0 E	3.8 E	16
17	7.5 E	7.0	31	10	19	22	21	8.5 E	3.2 E	3.0 E	3.0 E	3.9 E	17
18	7.5 E	7.0	33 E	7.0	23	26	18	8.4 E	4.1 E	3.0 E	3.0 E	4.0 E	18
19	7.5 E	7.0	33 E	7.7	23 *	21 *	15	8.3 E	2.6 E	3.0 E	3.0 E	4.1 E	19
20	7.5 E	6.2	33 E	8.8	88	20	16	8.1 E	4.4 E	3.0 E	3.0 E	4.2 E	20
21	7.5 E	5.8	34 E	10	102	19	14	7.9 E	4.1 E	3.0 E	3.0 E	4.3 E	21
22	7.5 E	5.4	34 E	11	79	19	13	7.8 E	3.2 E	3.0 E	3.0 E	4.4 E	22
23	7.5 E	6.2 E	36 E	12	76	19	12	7.7 E	3.0 E	3.0 E	3.0 E	4.5 E	23
24	7.5 E	6.6 E	34	12	82	18	13	7.5 E	3.0 E	3.0 E	3.0 E	4.6 E	24
25	7.5 E	6.6	36	12	48	19	10	7.4 E	3.2 E	3.0 E	3.0 E	4.7 E	25
26	7.5 E	5.8	26	13	39	22	11 *	7.3 E	3.0 E	3.0 E	3.0 E	4.8 E	26
27	7.5 E	5.8	13 *	11	36	20	8.8	7.1 E	3.0 E	3.0 E	3.0 E	4.9 E	27
28	7.5 E	6.2 E	8.2	13	28	20	9.4	7.0 E	3.0 E	3.0 E	3.0 E	5.0 E	28
29	7.5 E	6.6 E	7.7	15	26	21	10	6.9 E	3.0 E	3.0 E	3.0 E	5.1 E	29
30	7.5 E	7.3 E	5.8	19		22	12	6.8 E	3.0 E	3.0 E	3.0 E	5.2 E	30
31	7.5 E		4.3	14		22		6.7 E		3.0 E	3.0 E		31
MEAN	7.5 E	7.0 E	17.9 E	10.9	35.7	22.1	17.0	9.4 E	5.1 E	3.0 E	3.0 E	3.8 E	MEAN
MAX.	7.5 E	7.7	36.0 E	74	102	33.0	24.0	16.0	12.0 E	3.0 E	3.2 E	5.2 E	MAX.
MIN.	7.5 E	5.4	4.3 E	3.4	12.0	18.0	8.8	6.7 E	2.6 E	3.0 E	3.0 E	2.8 E	MIN.
AC. FT.	461 E	416 E	1098 E	671	2051	1357	1012	581 E	303 E	184 E	185 E	228 E	AC. FT.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF NO FLOW MADE THIS DAY  
# - E AND \*

MEAN	MAXIMUM					MINIMUM					TOTAL
DISCHARGE	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
11.8 E	126 E	4.04	1	15	2400	2.8	3.03	9	6		8548 E

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 55 44	120 01 06	SEL3 24N 17E				DEC 57-DATE	DEC 57-DATE	1957		0.00	LOCAL

Station located at U. S. Highway 395 bridge, 8.1 mi. SE of Doyle. Tributary to Honey Lake. Stage-discharge relationship affected by ice at times. Drainage area is approximately 150 sq. mi.



TABLE B-6

STREAMFLOW MEASUREMENTS  
AT MISCELLANEOUS SITES

This table shows the discharge rate on various streams at locations other than those where continuous recorders are maintained.

Included as miscellaneous measurements are tidal cycle measurements made in channels having flows affected by tidal action. These measurements are the mean cyclic flow for a tidal phase, which approximates 24 hours and 50 minutes. The mean cyclic flow is defined as the average algebraic summation of flows for a tidal phase:

TABLE B-6

## STREAMFLOW MEASUREMENTS AT MISCELLANEOUS SITES

Stream	Location		Measurements		
	Latitude	Longitude	Date	Gage Height (ft)	Discharge (cfs)
Italian Slough near Mouth	37-51-33	121-34-57	10-29-67 to 10-30-67		2772 (a,c) 2800 (a,c)
Knights Landing Ridge Cut	38-47-27	121-43-15	6- 8-67	39.42	3090
Little Cow Creek near Ingot	40-44-44	122-03-37	6-18-68	7.89	201
Old River at Italian Slough	37-51-32	121-34-41	10-29-67 to 10-30-67		321 (a,b) 339 (a,b)
Sacramento River at Bend Bridge	40-15-53	122-13-21	11-15-67 12-13-67	19.48 19.89	8680 9034
West Borrow Pit Sutter Bypass	39-08-46	121-50-31	1-19-68 1-23-68 3-20-68 3-27-68	42.91 39.40 41.04 38.76	855 399 674 351
West Borrow Pit Sutter Bypass	39-07-40	121-48-15	1-23-68 1-26-68	37.83 36.61	439 253
West Borrow Pit Sutter Bypass	39-06-13	121-46-45	1-25-68	36.22	314

a The flows shown are mean cyclic flow for a tidal phase which approximates 24 hours and 50 minutes in time.

b The mean cyclic flow is toward the downstream direction of the channel.

c The mean cyclic flow is toward the upstream direction of the channel.



TABLE B-7

DIVERSIONS

Monthly diversion values have  
been rounded off as follows:

Individual Diversions  
Acre-Feet

0.0 - 999      nearest Unit  
1,000 - 9,999      "      Ten  
10,000 - 99,999      "      Hundred  
100,000 - 999,999      "      Thousand

Total Monthly Diversion  
Cubic Feet Second

All values to nearest unit.

Monthly Use in Percent

All values to nearest tenth.

TABLE B-7

DIVERSIONS - SACRAMENTO RIVER  
(Sacramento to Verona)  
October 1967 through September 1968

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
--TOWER BRIDGE - SACRAMENTO--	0.0															
--GAGING STATION - SACRAMENTO RIVER AT SACRAMENTO--	0.6L															
City of Sacramento	0.8L	3-18 2-20 2-24	2780	2130	866	1440	1250	1540	3080	3380	3840	4250	3860	4820	33236	
--AMERICAN RIVER--	1.1L															
--BACK BORROW PIT RECLAMATION DISTRICT 1000--	1.3L															
G. W. Williams	1.45R	1-8						NO DIVERSION								
--RECLAMATION DISTRICT 1000 DRAIN (Second Bannon Slough)--	2.1L															
Elmer F. Christophel	2.15L	1-8							24	9	35	34	13	4	a 119	
Rose Orchard, Incorporated	3.55R	1-16								122	132	136	28	71	a 489	
M. Ouyang	4.0R	1-10						NO DIVERSION								
--STAGE STATION - SACRAMENTO RIVER AT SACRAMENTO WEIR--	4.0R															
--STAGE STATION - SACRAMENTO RIVER ABOVE SACRAMENTO WEIR--	4.4R															
Beatty Ramsey	4.65R	1-7										19	11		30	
Isimoto Brothers b	5.05R	1-12								36	68	86	110	89	48	437
Beatty Ramsey	5.25R	1-12								44	15	25	44	1	1	130
Beatty Ramsey	5.3R	1-12								51	33	17	59	29	15	204
Carl and Ray Casselman	5.5R	1-12							1	47	39	20	45	31	4	187
Frank and Ruth Lang	5.55R	1-8											100	98		198
Natomas Central Mutual Water Company	6.1L	2-18	153							501	511	1344	1477	982	610	a 5578
--RECLAMATION DISTRICT 1000 DRAIN NO. 3--	6.85L															
Fred C. Jones	7.5L	1-8									57	38	27	19		a 141
A. Marty and C. Inderkum	7.7R	1-10								58	128	94	94	48		422
Candido Ross	7.8L	1-12								7	44	41	61	1		154
E. D. Willey	7.9L	1-10									139	139	57	56	46	437
A. Marty and C. Inderkum	8.3R	2-8							NO DIVERSION							
Fong Shee Farm	9.3L	1-10								33	97	97	94	36		357
Henry Amen and E. C. Peabody	9.35R	1-14							116	83	249	159	179	94	8	888
Fred C. Jones	9.8L	1-8									26					26
Marbet Land Company	9.9R	1-12								33	216	58	102	57		466
Robbins Bestrice Clayton	10.25L	1-14									137	104	292	90	172	a 795
Thomas M. Erwin	10.65R	1-12								3	50	83	55	40	62	293
W. A. Ten Eyck	11.1R	1-12								67	68	64	112	12	83	a 406
--ELKHORN FERRY--	11.9															
--STAGE STATION - SACRAMENTO RIVER AT ELKHORN FERRY--	12.0R															
Investment Operating Corporation	12.0R	4-36	925							4348	8964	9540	5013	5367	1765	a 35922
Thomas O'Conner Estate	12.5R	1-12							41	146	104	101	122	41		555
William Plumb, Jr.	12.7R	1-6										1	169	129		299
Lewis Thornton	12.95L	1-4							PLANT REMOVED							
S. C. Farms, Incorporated	13.1R	1-12														
S. C. Farms, Incorporated	13.25R	1-12	18							36	35	100	146	113	39	487
Natomas Central Mutual Water Company	14.1L	1-24 1-30								767	2077	2626	2833	1976	479	a 10858
Joseph Veress	14.25R	1-14								139	415	359	297	339	317	1866
Corporation of the President, Sacramento Stake Letter Day Saints Church	15.1R	1-16								131	15	36	44	192		a 328
Natomas Central Mutual Water Company	16.0L	1-24 2-32 2-38								4445	8143	7777	8893	8592	1246	a 39096
Hershey Davidella, et al	16.27R	1-20							NO DIVERSION							
Deseret Farms of California	16.62R	1-14									90	67	48	45		250



TABLE B-7 (Cont.)

DIVERSIONS - SACRAMENTO RIVER  
(Sacramento to Verona) (contd.)  
October 1967 through September 1968

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
Deseret Farms of California	17.0R	1-14									44		65		a	109	
Frank and Ruth Lang	17.4R	1-16										165				150	315
Deseret Farms of California	17.75R	1-16											281	257	29		567
Deseret Farms of California	18.0R	1-20								107	139	293		168			707
H. C. Lauppe	18.2L	2-10									116	104	88	45	1		354
Burton H. Lauppe	18.45L	1-14								53	73	122	42				290
Laytoo Knagga	18.7R	1-24							NO DIVERSION								
E. L. Kerns	18.7L	1-12								64	118	31					213
<b>SACRAMENTO TO VERONA</b>																	
Total			3976	2130	866	1440	1250	1698	14303	25842	27577	25323	22834	9970			137209
Average cubic feet per second			65	36	14	23	22	28	240	420	463	412	371	168			190
Monthly use in percent of seasonal			2.9	1.6	0.6	1.0	0.9	1.2	10.4	18.8	20.1	18.5	16.6	7.3			

a Record for October and the period April through September furnished by U. S. Bureau of Reclamation.

b Formerly listed as George W. Reed.

TABLE B-7 (Cont.)

DIVERSIONS - SACRAMENTO RIVER  
(Verona to Knights Landing)  
October 1967 through September 1968

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
--GAGING STATION - SACRAMENTO RIVER AT VERONA--	19.6L																
--CROSS CANAL - RECLAMATION DISTRICTS 1000 and 1001--	19.6L																
Arthur Drown	*(0.05S)	1-10								49	77	91	137	90	6		450
Natomas Central Mutual Water Company	*(1.0S)	1-24 1-36								2117	3271	4664	3839	3284	1248	a	18423
Natomas Central Mutual Water Company	*(2.0S)	1-20 2-24								4703	7931	7864	8023	6746	2764	a	38031
E. D. Willey and Sons	*(3.3N)	2-24								701	2009	1951	2319	2269	731	a	9980
E. D. Willey and Sons	*(3.35N)	1-16														b	
Roy C. Osterli and Harland Van Dyke	*(3.45N)	1-14 2-36								952	1456	1687	1897	2016	818	a	8826
--FEATHER RIVER--	20.9L																
--SACRAMENTO SLOUGH--	21.2L																
Deseret Farms of California	c 21.75R	1-16								53	116	114	123	131	132		669
Roy Michelotti	22.1R	1-10							NO DIVERSION								
C. Fred Holmes	22.2L	1-14										133					133
Deseret Farms of California	22.5R	1-24										1	30	85	14	a	130
--STAGE STATION - SACRAMENTO RIVER AT FREMONT WEIR EAST END--	22.58R																
Antonio Furlan	26.6L	1-16		53	52	13						24	19				161
A. F. Johnston	26.6L	1-16							NO DIVERSION								
--STAGE STATION - SACRAMENTO RIVER AT FREMONT WEIR, WEST END--	27.9R																
Lowell Edson	**28.1R(0.8)	1-5										4	9	9	2		24
Hershey Estate	**28.1R(1.3)	1-18								253	150	322	373	183	169		1450
Gus Inglin	**28.1R(2.4)	1-12	9								18	32		17	13		89
Gus Inglin	28.2R	1-8	28								3		26	28	9		94
Antonio Furlan	28.2L	1-12										58					58

TABLE B-7 (Cont.)

DIVERSIONS - SACRAMENTO RIVER  
(Verona to Knights Landing) (Contd.)  
October 1967 through September 1968

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET										TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY		AUG.	SEPT.
Ralph White	28.6L	1-8									67	78			145
Hershey Estate	29.0R	1-12 2-16							NO DIVERSION						
Russell Brothers	29.2R	1-12									38	237	53	73	401
England Brothers	29.7R	1-14									86	25	93	36	240
Sebastian Yturralde	29.9L	1-12						210	32	110	95	15			462
Leo Giovanetti	30.2L	1-6							15	4	17	9	18	9	72
G. and D. Tragnsz	30.3R	1-8										54	25	17	96
Antonio Furlan	30.5L	1-14								1	95	106	49		251
Clayton Russell	30.6R	1-10										70	14	18	102
England Brothers	30.7R	1-10								23	12	25	1	85	147
Harry Anderson	30.9L	1-10									83	6	32		121
A. C. Huston, Jr. and Mrs. E. Huston	31.5R	1-12								14	128	194	156	6	498
England Brothers	31.75R	d 1-10													
M. Alonso	31.8L	1-6							NO DIVERSION						
Sutter Mutual Water Company (Portuguese Bend)	32.0L	1-20 2-24							NO DIVERSION						
England Brothers	32.1R	e 1-14								142	443	603	480	553	2292
Sutter Mutual Water Company	32.4L	1-24 1-30 1-36								1951	3268	3244	3167	2930	15124
J. F. Waters and E. Fuzlan	32.5L	1-12									41	27	47	20	137
Collier Brothers	32.5R	1-10										54	142	64	338
W. H. Ziegler	33.2L	2-10 1-12								232	497	479	355	333	1967
J. G. Knox Estate	33.35L	2-12								5	62	99	52	53	441
Clarence Du Bois	33.5R	1-12									274	126	125	43	568
P.K., G.J. and W. N. Leiser	33.75L	1-12									124	381	425	416	1910
Neil Wilson	33.85R	1-4 1-6													
--SOUTHERN PACIFIC RAILROAD BRIDGE--	33.95														
<b>VERONA TO KNIGHTS LANDING</b>															
Total			37	53	52	13	0	210	11367	20346	22713	22411	19596	7032	103830
Average cubic feet per second			1	1	1	0	0	3	191	331	382	364	319	118	143
Monthly use in percent of seasonal			0.0	0.1	0.1	0.0	0.0	0.2	10.9	19.6	21.9	21.6	18.9	6.8	

\* Mile 19.6L Cross Canal, Distance from Sacramento River and bank are shown in parentheses.  
\*\* Mile 28.1R. An old channel of Sacramento River. Distance from Sacramento River shown in parentheses.  
e Records for October and the period April through September furnished by the U. S. Bureau of Reclamation.

b Diversion included in \*(3.3N).  
c Plant moved from Mile 21.5R.  
d A 10" unit and one 14" unit were removed in 1968.  
e Plant moved from Mile 31.75R.

TABLE B-7 (Cont.)

DIVERSIONS - SACRAMENTO RIVER  
(Knights Landing to Wilkins Slough)  
October 1967 through September 1968

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET										TOTAL DIVERSION OCT.-SEPT. ACRE- FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY		AUG.	SEPT.	
--GAGING STATION - SACRAMENTO RIVER AT KNIGHTS LANDING--	34.0L															
--KNIGHTS LANDING BRIDGE--	34.1															
--COLUSA BASIN DRAIN--	34.15R															
River Garden Farms Company	34.5R	1-16 1-20 1-24								1297	2663	1764	1025	777	591	8117
--RECLAMATION DISTRICT 787 DRAINAGE PLANT--	37.0R															



TABLE B-7 (Cont.)

DIVERSIONS - SACRAMENTO RIVER  
(Knights Landing to Wilkins Slough) (Contd.)  
October 1967 through September 1968

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
Sutter Mutual Water Company (State Roach Bend)	40.6L	2-24 1-36	470							4121	4451	4845	4798	3604	827	a 23116
River Garden Farms Company	41.0R	1-14 1-16								49		69	228			a 346
El Dorado Ranch	42.3R	1-14 1-16	211	141						151	712	465	674	428	394	3176
Reclamation District 2047	43.1R	3-50								6619	10245	7274	5593	4261	586	a b34578
--RECLAMATION DISTRICT 108 DRAINAGE PLANT--	44.0R															
John Clauss	44.2L	1-18							16	124		348	109	186	98	881
--GAGING STATION - SACRAMENTO RIVER ABOVE R.D. 108 DRAIN PLANT--	46.4R															
Oji Brothers	48.7L	2-22									921	961	1098	716	473	a 4169
G. J. Hiatt	49.7L	1-14								50	267	434	446	369	50	a 1616
Reclamation District 108 (Tyndall Mound)	51.1R	1-16 1-18 2-24 1-36								4736	9796	10078	9902	9621	3477	a 47610
William S. Keeler	51.2L	2-16									593	535	601	453	82	a 2264
Reclamation District 108 (Howell Point)	53.8R	1-14 1-20 1-36								227	845	955	1377	566	269	a 4239
Reclamation District 108 (Boyer Bend)	56.4R	1-12 1-18 2-22 1-36	567							1391	2234	2553	2885	2803	1309	a 13742
Broomleside Farm	56.95L	1-20									50	618	499			a 1167
Pelger Mutual Water District	57.25L	1-24 1-30		81	29					1408	359		237	2		a 2116
W. A. Larner	60.4L	1-14 1-16								385	406	624	540	201	19	a 2175
John Mack	62.3L	1-14								29	462	425	473	399	269	a 2057
<b>KNIGHTS LANDING TO WILKINS SLOUGH</b>																
Total			1248	222	29	0	0	16	20587	33954	31380	30604	24885	8444		151369
Average cubic feet per second			20	4	0	0	0	0	346	552	527	498	405	142		209
Monthly use in percent of seasonal			0.8	0.2	0.1	0.0	0.0	0.0	13.6	22.4	20.7	20.2	16.4	5.6		

a Records for October and the period April through September furnished by the U. S. Bureau of Reclamation.

b Includes 18,758 acre-feet of water delivered to River Garden Farms Company as follows: April 2699, May 3930, June 4674, July 3839, August 3153, and September 586.

TABLE B-7 (Cont.)

DIVERSIONS - SACRAMENTO RIVER  
(Wilkins Slough to Colusa)  
October 1967 through September 1968

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
--GAGING STATION - SACRAMENTO RIVER BELOW WILKINS SLOUGH--	62.9R															
Reclamation District 108 (Wilkins Slough)	63.2R	1-42 5-48								13306	26801	30060	29316	26359	5232	a 131074
Sutter Mutual Water Company	63.75L	6-42 2-48	501						3230	31640	33892	37111	35625	29976	6841	a 178816
Oji Brothers b	63.9L	2-14									475	413	460	413	148	a 1909
--STAGE STATION - SACRAMENTO RIVER AT TISDALE WEIR--	64.2L															

TABLE B-7 (Cont.)  
 DIVERSIONS - SACRAMENTO RIVER  
 (Wilkins Slough to Colusa) (contd.)  
 October 1967 through September 1968

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
Tisdale Irrigation and Drainage Company	64.4L	1-8 1-12								194	510	515	501	486	204	a	2410
Tisdale Irrigation and Drainage Company	67.1L	1-16 1-22								707	1811	1760	1889	1634	624	a	8425
Newhall Land and Farming Company	67.5L	1-12 2-24							81	1586	2299	2044	471	28		a	6509
--RECLAMATION DISTRICT 70 DRAINAGE PLANT--	68.8L																
C. Yerxa and A. Andreotti	69.2R	1-10 2-16	131							365	1342	1226	1268	1054	684		6070
--EDDY'S FERRY SITE (GRIMES)--	69.45																
Beckley, Ritchie, Poundstone and Andreotti	70.4R	1-16 1-20									35	21	45	6	28		135
Meridian Farms Water Company #4	71.1L	2-18								595	1065	1407	1216	1360	300	a	5943
H. and A. Andreotti	72.1L	2-14								227	584	608	620	433	231	a	2703
Meridian Farms Water Company #3	74.8L	1-18								295	688	858	944	803	520	a	4108
Olive Percy Davis, et al	77.8R	1-12								321	205	323	230	53		a	1132
Olive Percy Davis, et al	78.15R	2-30	207	814						2403	2483	3082	3349	2824	44	a	15206
Olive Percy Davis, et al	78.75R	2-12 1-16	177	314				90	569	563	685	636	234	66	a	3334	
Olive Percy Davis, et al	78.8R	1-24	432	317					1486	1708	1566	1953	1203		a	8665	
--GAGING STATION - SACRAMENTO RIVER AT MERIDIAN--	79.85#																
Meridian Farms Water Company #1 and #2	80.0L	1-18 1-30 1-36						166	2486	3631	4164	3004	3040	1096	a	17587	
Tomlinson Brothers and E. J. Burrows	81.5L	1-16								647	551	641	764	405	a	3008	
Steidlmayer Brothers	83.0R	1-20	78		49					267	112	316	163	459		1444	
--BUTTE SLOUGH OUTFALL GATES--	84.0L																
Reclamation District 1004	89.25L	1-18							303	789	773	456			a	2321	
<u>WILKINS SLOUGH TO COLUSA</u>																	
Total			1526	1445	49	0	0	3567	56483	79795	87279	82940	70833	16882		400799	
Average cubic feet per second			25	24	1	0	0	58	949	1297	1467	1349	1152	284		552	
Monthly use in percent of seasonal			0.4	0.4	0.0	0.0	0.0	0.9	14.1	19.9	21.7	20.7	17.7	4.2			

# Station located on bridge at or near center of stream.  
 a Records for October and the period April through September furnished by the U. S. Bureau of Reclamation.

b Formerly listed as Robert E. Seamas.



TABLE B-7 (Cont.)

DIVERSIONS - SACRAMENTO RIVER  
(Colusa to Butte City)  
October 1967 through September 1968

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
--GAGING STATION - SACRAMENTO RIVER AT COLUSA--	89.4R															
--COLUSA BRIDGE--	89.4															
Roberts Ditch Company	90.7R	b 1-16 1-18	76							139	326	327	314	332	180	a 1694
--STAGE STATION - SACRAMENTO RIVER AT COLUSA WEIR--	92.4L															
Wilson Lovvorn	93.15R	1-24								196	195	368	545			a 1304
Roger Wilbur	95.25L	1-12 1-18	4							42	322	414	490	10		a 1282
Joan and Wilmarth Lewis	95.6L	1-16 1-20		179						534	764	651	562	401	64	a 3155
J. G. Griffin	95.8L	1-16 1-26								281	518	676	469	186		a 2130
Otterson and Boggs	98.6L	1-16								288	232	735	478	325	40	a 2098
Sactane Mutual Water Company	99.25L	2-16	32	397						589	951	1133	1386	1100	328	a 5916
Helen Forry	99.8L	1-12 1-16								297	607	713	766	740	206	a 3329
Guy M. Morse	102.8R	2-12 1-20	109	90						849	1060	1180	1160	758	491	5697
--GAGING STATION - SACRAMENTO RIVER OPPOSITE MOULTON WEIR--	103.3R															
--STAGE STATION - SACRAMENTO RIVER AT MOULTON WEIR--	103.6L															
Eleanor P. Welch	103.7R	1-16 1-18								337	837	734	1330	1290	534	5062
Maxwell Irrigation District	103.8R	2-20 1-24								121	662	610	973	608		a 2974
C. W. Tuttle	103.9R	1-12 1-18							7	543	834	940	956	780	59	4119
Thousand Acre Ranch	106.0R	1-14								24	163	260	186			a 633
Olive Percy Davis, et al	106.5R	2-16	158							721	1290	1370	1420	1410	752	8431
--PRINCETON FERRY--	112.0															
Reclamation District 1004	112.1L	2-30 1-36 1-50	608							6864	9653	9650	11162	8986	2389	a 49312
Princeton-Codora-Glenn Irrigation District	112.4R	3-24	136							2227	2466	3149	3618	1363	264	a 13223
<b>COLUSA TO BUTTE CITY</b>																
Total			1123	666	0	0	0	728	14621	20900	22910	25815	18289	5307	110359	
Average cubic feet per second			18	11	0	0	0	12	246	340	385	420	297	89	152	
Monthly use in percent of seasonal			1.0	0.6	0.0	0.0	0.0	0.7	13.2	18.9	20.8	23.4	16.6	4.8		

a Records for October and the period April through September furnished by the U. S. Bureau of Reclamation.

b One 16" unit was installed in 1968.

TABLE B-7 (Cont.)  
 DIVERSIONS - SACRAMENTO RIVER  
 (Butte City to Red Bluff)  
 October 1967 through September 1968

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
--BUTTE CITY BRIDGE--	115.8															
--GAGING STATION - SACRAMENTO RIVER AT BUTTE CITY--	115.8L															
Princeton-Codora-Glenn Irrigation District	123.9R	5-24	684						255	8240	8615	8396	7853	6963	2921	a 43927
Provident Irrigation District	124.2R	2-24 1-36 2-46	2012	2437	2473					9598	4182	6164	5120	2004	336	e 34326
J. Bertapelle	124.3R	1-12							NO DIVERSION							
--GAGING STATION - SACRAMENTO RIVER AT ORD FERRY--	130.8R															
--STONY CREEK--	138.0R															
--BIG CHICO CREEK--	141.5L															
M & T Incorporated and Parrott Investment Company	141.5L	1-20 4-24	454	109	92					1556	2046	3812	5982	5280	1702	a 21033
--OLD CHICO LANDING RAILROAD BRIDGE SITE--	142.1															
--GAGING STATION - SACRAMENTO RIVER AT HAMILTON CITY (GLANELLA BRIDGE)--	149.5L															
Bolen Ranch	150.8R	1-12 1-16								318	340	222	422	249	105	b 1656
Newhall Land & Farming Company	153.6L	1-10 1-14 1-16							308	506	1300	1170	1120	361	50	4815
Glenn-Colusa Irrigation District	154.8R	1-36 4-44 1-48 1-54 4-66 3-72 1-100	30700	29600					5770	118500	136100	156700	166100	130800	65700	839970
--GAGING STATION -SACRAMENTO RIVER AT VINA BRIDGE--	166.5R															
Corning Canal	191.15R	3-20 3-30	1640	285	82	28	152	373	2640	5600	4350	5040	2590	2800	a 25580	
Diamond National Corporation	191.5R	1-8														c
Diamond National Corporation	197.0L	1-8							9	54	99	99	99	54	a 414	
<b>BUTTE CITY TO RED BLUFF</b>																
Totals			35490	32431	2647	28	152	6706	141367	158237	180913	191736	148346	73668	971721	
Average cubic feet per second			577	545	43	0	3	109	2376	2573	3040	3118	2413	1238	1339	
Monthly use in percent of seasonal			3.7	3.3	0.3	0.0	0.0	0.7	14.5	16.3	18.6	19.7	15.3	7.6		

a Records for October and the period April through September furnished by the U. S. Bureau of Reclamation.

b Includes an undetermined amount of water spilled back to river.

c Record not available.



TABLE B-7 (Cont.)

DIVERSIONS - SACRAMENTO RIVER  
(Red Bluff to Redding)  
October 1967 through September 1968

WATER USER	MILE AND BANK above Sacramento	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
--GAGING STATION - SACRAMENTO RIVER NEAR RED BLUFF--	198.6L														
D. Mills b	207.3L	1-8	29							98	121	137	58	110	553
D. Mills b	207.5L	1-12	15							286	248	360	156	221	1286
Rio Alto Rancho	221.0R	1-12	120							110	130	270	240	220	1400
Anderson-Cottonwood Irrigation District	240.5L	4-16	1930							2280	2640	3560	3820	2990	20230
Riverview Golf Course	240.8L	1-4	19	7	1					49	44	54	43	30	282
Wintu Pumping Plant	244.44L	4-20	397	130	30	71	20	26	234	297	711	712	556	471	3655
Anderson-Cottonwood Irrigation District	246.0R	Gravity	16200							16300	20000	19800	20600	18500	129000
City of Redding	246.25L	2-6	21	7		2	1		7	18	15	28	15	15	129
City of Redding	246.7R	3-8	345	228	209	202	190	241	446	586	851	1010	721	737	5766
--GAGING STATION - SACRAMENTO RIVER AT KESWICK--	250.5R														
<u>RED BLUFF TO REDDING</u>															
Total			19076	372	240	275	211	267	19426	24099	25630	27020	23266	22419	162301
Average cubic feet per second			310	6	4	4	4	4	326	391	430	439	378	377	224
Monthly use in percent of seasonal			11.8	0.2	0.1	0.2	0.1	0.2	12.0	14.8	15.8	16.7	14.3	13.8	
<u>SACRAMENTO RIVER - SACRAMENTO TO REDDING</u>															
Total			62476	37319	3883	1756	1613	13192	278154	363173	398402	405849	328049	143722	2037588
Average cubic feet per second			1016	627	63	28	29	214	4675	5906	6696	6600	5335	2415	2814
Monthly use in percent of seasonal			3.1	1.8	0.2	0.1	0.1	0.6	13.6	17.8	19.6	19.9	16.1	7.1	

a Records for October and the period April through September furnished by the U. S. Bureau of Reclamation.  
b Formerly listed as Lake Mills Development Company.

c Includes 7166 acre-feet of spill as follows; October 2370, April 1920, May 648, June 153, and August 2075.

TABLE B-7 (Cont.)

DIVERSIONS - COLUSA BASIN DRAIN\*  
October 1967 through September 1968

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
--GAGING STATION - COLUSA BASIN DRAIN AT KNIGHTS LANDING (KNIGHTS LANDING OUTFALL GATES)--	0.25L														
River Garden Farms Company	0.3L	1-20									427	1280	1270	603	3580
Layton Knaggs	4.65R(0.3)	2-24							NO DIVERSION						
Layton Knaggs	6.5R (1.5)	1-20								127	357	16	93		593
Layton Knaggs	7.5R (0.5)	3-16 1-20							NO DIVERSION						
George E. Youngmark	8.8R	1-14 a 2-16	1	93						448	1430	1530	1770	1290	6994
Hershey Estate	11.15R	1-16 1-18								409	1620	1680	1640	1690	7539
Hershey Estate	13.75R	1-16							NO DIVERSION						
C. M. Mumma	14.75R	1-10	24								140	139	211	217	896
--COUNTY LINE BRIDGE--	15.25														
Robert J. Rooney	18.5R (0.8)	1-14									175	249	327	314	1255
--RECLAMATION DISTRICT 108 GRAVITY DRAIN--															
Reclamation District 108	19.9L	1-16 1-24 1-30								1700	3230	3280	3460	3000	15339
Robert J. Rooney	20.0R	1-14 1-16	6	153	121	45					585	709	656	673	3068

TABLE B-7 (Cont.)

DIVERSIONS - COLUSA BASIN DRAIN\* (contd.)  
October 1967 through September 1968

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
Colusa County Water District	20.05R(1.2)	2-10 3-14 2-18	458	332	26	175				1420	3380	3500	3300	1140	600	14331
B. W. Whitmire and Son	21.35R	2-16		162	192	28				122	864	915	635	559	284	3761
--GAGING STATION - COLUSA BASIN DRAIN NEAR COLLEGE CITY--	22.5L															
--HILLGATE ROAD BRIDGE--	22.7															
--SOUTHERN PACIFIC RAILROAD BRIDGE--	23.6															
Baldson Ranch	24.6L (0.3)	1-14 2-16	20	14	60	82			702	231	946	701	822	820	666	5064
--GRIMES - COLLEGE CITY CAUSEWAY--	25.5															
Loretta S. Christenson and Frederick J. Strohn	25.9L	1-16 1-20 1-24								705	576	470	590	460	135	2936
C. W. and M. F. Struckmeyer	27.25L(0.3)	2-16								120	1010	900	747	782	632	4191
William P. Wallace	28.0R	1-12 1-16								240	577	542	570	620	48	2597
Olive Percy Davis, et al	29.8R (0.4)	1-16								212	395	424	466	468	151	2116
Glenn-Colusa Irrigation District	29.8R (1.4)	1-20 2-38								2300	2020	2750	3840	1600	117	12627
Olive Percy Davis, et al	32.1R	1-16								242	364	651	580	615	178	2630
--MERIDIAN - WILLIAMS BRIDGE--	32.15															
Federal Fish and Wildlife Service	32.6R	1-16	308	372	258	123						138	47	279	276	1801
Richard Moore	33.5L	1-12 1-16								59	851	716	802	883	419	3730
Federal Fish and Wildlife Service	36.65R	1-15 1-20	1310	1220	865	184				140	941	1260	1140	1740	1650	10450
--GAGING STATION - COLUSA BASIN DRAIN AT HIGHWAY 20--	37.0															
I. G. Zumwalt Company b	39.2L	8-20								4320	3410	6050	7230	3290	421	24721
--LURLINE ROAD BRIDGE-- b	39.25															
Leon Psulo and Seaver Farms b	40.0L	3-16	96	143	34	3				293	1630	1570	1020	1730	382	6901
Seaver Farms and F. J. Byington b	41.5L	4-16			39					320	1550	1670	1880	1680	540	7679
Watt Brothers b	43.2L	1-12 1-16								224	699	531	558	194		2206
--MAXWELL ROAD BRIDGE--	43.25															
H. and A. Andreotti b	44.3L	1-14 1-16								350	591	576	1130	1180	317	4144
Ash Farms and Elva Niles b	45.0L c	1-12 2-16			36					299	884	1180	1060	1140	144	4743
I. G. Zumwalt Company b	46.75L	1-24								854	511	602	612	715		3294
Leonard R. Beauchamp b	47.5L (0.4)	2-16								808	1010	909	877	520	4	4128
Maxwell Irrigation District b	48.7R (0.8)	1-14 1-16 2-20	2060	693							498		668		896	4815
Bayles and McCarthy Brothers b	49.58L(0.9)	1-10 1-12		142	55					46	443	502	544	491	181	2404
Helphenstove Rice Lands b	49.69L	1-14 1-18		282	149	42				308	412	857	630	547	93	3320
E. M. Massa b	49.7L	1-16	33	9	1					182	114	132	174	167		812
--PRINCETON - NORMAN ROAD BRIDGE--	53.5															
Princeton-Codora-Glenn Irrigation District b	54.2L	1-16 1-18 1-24								2660	3330	3160	3230	3110	277	15767
Provident Irrigation Opp. District (Willow Creek Plant) b	57.5R (2.4)	1-24 1-36								315	151	1290	683	33		2472
Princeton-Codora-Glenn Irrigation District b	57.5L	1-18								272	935	839	880	895	151	3972
--LATERAL HIGHWAY BRIDGE BUTTE CITY TO WEST SIDE--	57.5															
Gerald Garner b	58.4R	1-12 1-16		45	45	19				5	524	535	430	426	158	2187
--ROAD 59 BRIDGE--	59.0															
Provident Irrigation District b	59.9R (0.4)	1-16 1-18								1580	1670	2320	2420	1220	114	9324



TABLE B-7 (Cont.)

DIVERSIONS - COLUSA BASIN DRAIN\* (contd.)  
October 1967 through September 1968

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
Provident Irrigation District (Drain #55) b	Opp. 61.2R (1.5)	Gravity	2290	1490	879					3480	6860	6240	8290	7030	5800	42359
--STATE HIGHWAY 45 BRIDGE--	61.2															
Provident Irrigation District b	Opp. 62.8R (2.5)	2-16	117							127	627	1120	1110	676	158	3935
Terrill Knight Estate d, h	63.2L	1-12 1-16			2					282	517	566	654	392	32	2445
Fritz Reusser e, b	64.1L	1-12 1-14								37	239	303	319	316	82	1296
Provident Irrigation District (Colusa Basin Drain) b	64.2R (0.1)	1-20 1-24								1670	3650	3120	3430	3320	1920	17110
Provident Irrigation District (Drain #13) b	Opp. 64.2R (2.6)	1-16 1-20 1-24	21							1910	2080	1550	1640	1390	902	9493
Provident Irrigation District (Drain #13) b	Opp. 64.2R (2.6)	Gravity	1100	482	345				49	205	396	456	313	471	423	4240
<b>COLUSA BASIN DRAIN</b>																
Total			7844	5632	3107	701			751	28895	51962	57416	62681	49446	20830	289265
Average cubic feet per second			128	95	51	11			12	486	845	965	1019	804	350	398
Monthly use in percent of seasonal			2.7	1.9	1.1	0.2			0.3	10.0	18.0	19.8	21.7	17.1	7.2	

\* Carries return water from Colusa Basin along west border of Reclamation District 108 and 787, and then discharges to Sacramento River at Mile 34.15R or partial diversion via Knights Landing Ridge Cut.  
\*\* Mileage along Colusa Basin Drain from junction with Sacramento River.  
a One 16" unit was installed in 1968.

b This diversion dropped as of October 1968, due to a cutback in the diversion program.  
c One 12" unit was installed in 1968.  
d Formerly listed as Terrill Knight.  
e Formerly listed as Mary R. Bohach.

TABLE B-7 (Cont.)

DIVERSIONS - KNIGHTS LANDING RIDGE CUT  
October 1967 through September 1968

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
--STATE HIGHWAY 113 BRIDGE--	0.3															
--SOUTHERN PACIFIC RAILROAD BRIDGE--	0.7															
E. L. Wallace	0.8R	1-16 1-20								477	556	670	864	722	271	3560
Englund Brothers	0.82L	1-14								151	274	292	145	104	1	967
--RECLAMATION DISTRICT 730 DRAINAGE PLANT #2--	3.2R															
Hershey Estate	4.75L	1-24								1	84	101	179	57	44	466
--WEST LEVEE YOLO BYPASS--	6.3															
Hershey Estate	6.3	Gravity								77	494	131	1240	772	504	3218
Deseret Farms	6.3	Gravity	174							782	1450	1620	1950	1740	1170	8886
<b>KNIGHTS LANDING RIDGE CUT</b>																
Total			174	0	0	0	0	0	0	1488	2858	2814	4378	3395	1990	17097
Average cubic feet per second			3	0	0	0	0	0	0	25	46	47	71	55	33	24
Monthly use in percent of seasonal			1.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	16.7	16.5	25.6	19.9	11.6	

\* Mileage downstream from head on Colusa Basin Drain near Knights Landing. Flow is principally Colusa Basin drainage diverted to the Ridge Cut by checking at Knights Landing Outfall Gates.





TABLE B-7 (Cont.)

DIVERSIONS - LOWER BUTTE CREEK AND BUTTE SLOUGH (contd.)  
October 1967 through September 1968

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
Dorothy Hulen	Opp. 21.4R (1.0)	1-16								112	240	248	207	246	56	1109
McGowan Brothers	Opp. 22.4R (0.7)	a 1-14 1-16								205	143	314	389	300	10	1361
McGowan Brothers	Opp. 22.4R (1.1)	f 2-16 a 1-14								314	190	458	581	146		1689
--RICHVALE-BUTTE CITY ROAD BRIDGE--	22.5															
Harris Lands	23.0L	1-16								28	78	61	61	82	69	379
McGowan Brothers	23.0R	1-16 2-20		3	3	3				458	579	983	1250	382		3661
McGowan Brothers	h 23.0R (0.6)	1-16	6	44	38	6										94
McGowan Brothers	i 23.0R (1.7)	f 2-16								55	214	223	203	191	57	943
McGowan Brothers	j 23.0R (2.4)	f 2-16 2-20								949	784	1360	1390	1220	77	5780
McGowan Brothers	Opp. 24.5R (1.4)	f 2-16								149	136	202	232	191	41	951
Ruth Baldwin and Charles K. Layton	25.6L	1-8	16	16	17						1	1	1			52
Ruth Baldwin and Charles K. Layton	m 25.6L (0.6)	1-16		99	116	19				378	1020	1010	961	704	59	4366
Rio Bonita Ranch	n 26.1L (0.2)	2-16		3	3					642	597	724	724	388	16	3097
Arrowhead Ranch	27.9R	1-16								NO DIVERSION						
Arrowhead Ranch	28.0R	1-12 2-16								NO DIVERSION						
Arrowhead Ranch	29.2R	1-16		137	310	44				129	396	449	505	542	19	2531
Wilfried H. Barman	30.3L	1-12								104	230	229	229	243	98	1133
--WESTERN CANAL DAM--	30.3									BUTTE SLOUGH						
--SACRAMENTO RIVER JUNCTION--	0.0															
Butte Slough Irrigation Company	0.0	Gravity														P
Reclamation District 1004	0.02E	1-14 1-16								199	586	575	573	585	224	2742
M. Marty	0.3W	1-10	42							74	100	156	94	57	30	553
Joe Marty	q 0.4W	1-12									19	113	108	77	85	402
--BUTTE CREEK--	0.6E															
Wallace E. Montna et al	r 0.9E	s 1-6 1-7									14	43	52			109
Joe Marty	1.0W	1-12								NO DIVERSION						
Wallace E. Montna et al	r 1.4E	1-8								18	11	45	22	2		98
Fred Tarke	1.9W	1-14								75	470	470	547	108		1670
C. W. Rowley	2.5W	1-14								121	206	132	139	61	96	755
J. E. Smith	3.0W	1-10												10		10
Pearl Clark and Alice Brewer	3.5W	1-10								4	17	3	5	2		31
P. A. Reische	3.7W	1-10									8		10			18
--GAGING STATION - BUTTE SLOUGH NEAR MERIDIAN--	4.0W															
Frank Pirtle	t 4.08W	1-6										2		2		4
P. A. Reische	4.1W	1-10									22	26	77	30	18	173
James Tarke	4.3E	1-6											52			52
W. J. Hankins	4.8W	1-12										164	46	32		242
P. B. Hensen and W. J. Hankins	u 5.1W	1-12										98	68	76	63	305
Edward E. Nail	6.3W	1-12										43				43
<b>LOWER BUTTE CREEK AND BUTTE SLOUGH</b>																
Total			6942	10492	9432	2959	0	0	6063	14146	17956	21390	16376	4329		110085
Average cubic feet per second			113	176	153	48	0	0	102	230	302	348	266	73		152
Monthly use in percent of seasonal			6.3	9.5	8.6	2.7	0	0	5.5	12.9	16.3	19.4	14.9	3.9		

\* Mileage on Butte Creek from junction with Butte Slough at Mile 0.6E  
 \*\* Mileage on Butte Slough from junction with Sacramento River at Mile 84.0L.  
 a The 14" unit was a temporary installation during 1968.  
 b Installed prior to 1968. Not previously reported.  
 c Records insufficient to compute monthly acre feet.  
 d No record available.  
 e Formerly listed as Homer and Homer A. Charles.  
 f One 16" unit was a temporary installation during 1968.  
 g One 20" unit was a temporary installation during 1968.  
 h Previously listed as mile Opp. 23.0R (0.75).  
 i Previously listed as mile Opp. 23.5R (1.2).  
 j Previously listed as mile Opp. 24.0R (0.5).  
 k New installation in 1968.

m Previously listed as mile Opp. 25.6 (0.6).  
 n Previously listed as mile 26.1L.  
 p Fluv in Butte Slough derived from Butte Creek, is controlled by outfall gates at junction with Sacramento River and is thereby retained in Butte Slough to discharge into East and West Borrow Pits of Sutter Bypass near "Long Bridge". The outfall gates are maintained by the Department of Water Resources and are operated cooperatively with the Butte Slough Irrigation Company. See Sutter Bypass Diversions.  
 q New installation 1968.  
 r Formerly listed as Mrs. Mamie M. Smith.  
 s One 6" unit was a temporary installation during 1968.  
 t Formerly listed as W. Taylor and Pirtle.  
 u Formerly listed as P. B. Hensen.

TABLE B-7 (Cont.)

DIVERSIONS - SUTTER BYPASS AND SACRAMENTO SLOUGH  
October 1967 through September 1968

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT. ACRE- FEET
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	
<u>WEST BORROW PIT OF SUTTER BYPASS (a)</u>														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	2.5													
C. Fred Holmes	b 8.0L	1-18							NO DIVERSION					
--STATE HIGHWAY 113 CAUSEWAY--	12.7													
Sutter Mutual Water Company	17.5R	1-18							NO DIVERSION					
--SOUTH LEVEE OF TISDALE BYPASS	18.9R													
--RECLAMATION DISTRICT 1660 GRAVITY DRAIN--	19.3R													
G. Guisti and Sons	23.7R	1-16 1-24								981	1430	1260	1290	1310 182 6453
Butte Slough Irrigation Company Limited	24.6R	1-18							NO DIVERSION					
Central Gun Club c	b 24.65L	1-12	156	78	56	3								293
Central Gun Club	b 24.8L	d 1-16								406	354	384	370	141 1655
Butte Slough Irrigation Company Limited	25.0R	Gravity								122	356	465	425	91 1459
Butte Slough Irrigation Company Limited	28.4R	Gravity								1250	1470	1700	2620	1990 107 9137
Fred Tarke	28.6R	1-4 1-10							NO DIVERSION					
G. A. Frye	29.0R	1-8									13			13
--STATE HIGHWAY 20 BRIDGE--	29.1													
Fred Tarke	29.2R	1-10								20	39	8	45	112
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	29.25													
<u>EAST BORROW PIT OF SUTTER BYPASS (a)</u>														
C. Fred Holmes	b 1.5S	1-14							NO DIVERSION					
Agrivest Corporation	b 0.95S	1-16								52	222	327	561	369 226 1757
Hamatani Nicolaus Roach	0.5S	1-18							NO DIVERSION					
--WILLOW SLOUGH--	0.0													
Agrivest Corporation	b 0.5N	2-16								9	316	513	841	707 174 e 2560
--RECLAMATION BOARD DRAINAGE PLANT #1--	1.4N													
Cliff P. Childers	¼ (0.2)	1-16								67	1			68
Cliff P. Childers	¼ (0.3)	1-16								102	464	432	480	515 80 2073
Cliff P. Childers	¼ (1.29)	1-16								36	127	27	178	1 369
E. H. Christensen and Sons	¼ (1.32)	1-16								178	670	672	668	655 125 2968
E. H. Christensen and Sons	¼ (1.45)	1-14	84							103		106	54	347
E. R. Christensen and Sons	¼ (1.75)	2-16	7	60	37	7				148	617	560	482	511 113 2542
E. H. Christensen	¼ (2.8)	1-12								15	25	23	2	65
E. H. Christensen	¼ (3.5)	f 1-18 1-8	4	98	88	15				287	449	520	562	575 2598
Oji Brothers	¼ (3.6)	1-10								45	8	76	54	183
E. H. Christensen	¼ (3.6)	1-12	3	10						161	98	147	147	63 629
E. H. Christensen	¼ (3.9)	1-12								199	338	397	420	432 1786
E. H. Christensen	¼ (4.1)	1-16		59							99	109	49	316
E. H. Christensen	¼ (4.29)	1-16	63	59						220	181	196	108	827
Oji Brothers	¼ (4.29)	1-10								93		84	66	35 278
E. H. Christensen	¼ (4.3)	1-12								23	16	13		52
Rai Brothers	¼ (4.3)	1-12							NO DIVERSION					
E. H. Christensen	¼ (4.33)	1-16	52	33						84	74	118	139	60 560
E. H. Christensen	¼ (4.35)	f 1-8 1-18								76	243	59	171	166 124 839
Agrivest Corporation	b 1.5N	1-16								467	521	532	598	180 e 2298
Agrivest Corporation	b 2.9N	1-14								57	415	580	364	361 68 1845
Neal Westrope	b 4.0N	1-14 1-16								714	868	1020	1030	142 3774
--STATE HIGHWAY 113 CAUSEWAY--	4.3N													



TABLE B-7 (Cont.)

DIVERSIONS - SUTTER BYPASS AND SACRAMENTO SLOUGH (contd.)  
October 1967 through September 1968

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSIO OCT.-SEP ACRE-FEE	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
Neal Westrope	b 4.5N	1-14								333	352	407	400	138	1630
Frank Guisti	b 5.4N	1-14	131	475	558	99				352	350	421	386	29	2801
Ira Mulligan	b 5.7N	1-16								194	46	157	239		636
Lucille Orrick	b 5.9N	1-14								114	158	177	157		606
J. Etcheverry	5.9IN	1-14								154	432	452	495	103	2154
O. O. Orrick	b 6.9N	1-10 1-16								682	706	787	680	220	3075
Ira Mulligan	7.1N	1-16								44					44
--GILSIZER SLOUGH--	8.0N														
Neal Westrope	b 8.0N (0.45)	1-16								376	307	395	388	127	1593
Crepps and Middleton	b 8.4N	1-16		201						453	298	315	311	48	1626
Crepps and Middleton	b 9.4N	1-15		234						85	453	280	322	297	1671
--RECLAMATION BOARD DRAINAGE PLANT #2--	10.0N														
Crepps and Middleton	b 10.1N (0.1)	1-16		95						124	369	450	495	278	1900
Crepps and Middleton	b 10.1N (0.5)	2-16		689	480	77				60	619	581	648	697	3956
Federal Fish and Wildlife Service	b 11.5N	1-12										164	89	115	368
Federal Fish and Wildlife Service	b 16.3N	Gravity	2130	1730	1720	389				123	1040	1280	1830	1990	14162
R. A. Schnabel	b 16.4N	1-8	14	10	6					38	23	48	37	34	210
--WADSWORTH CANAL--	16.5N														
R. A. Schnabel	" v (1.0L)	1-16		1						568	531	497	547	132	2276
Fred S. Betty	" v (1.0R)	1-10								95	245	209	164	175	944
--STAGE STATION - WADSWORTH CANAL NEAR SUTTER (LOWER STATION)	" v (1.05#)														
H. D. Brown and A. H. Muns	" v (1.35R)	1-16 1-20								396	816	565	756	746	3571
Vesper Kellogg	" v (1.5L)	1-14								146	252	323	348	352	1725
Albert Thomasen	" v (1.7R)	1-16								NO DIVERSION					
--STATE HIGHWAY 20 BRIDGE--	" v (2.0)														
--GAGING STATION WADSWORTH CANAL NEAR SUTTER (UPPER STATION)--	" v (2.45#)														
Epperson, Kennedy, and Joaquin	g (2.5R)	1-10								26	103	160	158	126	573
Clara Farrington	g (2.51R)	1-10								99	406	529	405	510	1949
Youill Joaquin	g (3.0L)	1-14								NO DIVERSION					
Gerald F. Raub	g (3.6R)	1-16								61	337	84	55	205	833
--RECLAMATION BOARD DRAINAGE PLANT #3--	16.7N														
Fred S. Betty	" o (0.9)	1-8		32						87	29	28	24	47	268
Fred S. Betty	" o (1.0)	1-10	28	12						66	82	55	72	69	447
Fred S. Betty	" o (1.2)	1-10	4							34	28	99	107	83	430
Fred S. Betty	" o (1.3)	1-8 1-14								60	11	18	26	16	131
Fred S. Betty	" o (1.4)	1-12								184	298	285	307	302	1448
Mrs. H. C. and C. H. Epperson	" o (1.49)	1-10									160	206	102		468
Mrs. H. C. and C. H. Epperson	" o (1.5)	2-12								358	481	409	556	611	2544
T. Bihlman	" o (1.85)	1-14								NO DIVERSION					
Robert Stohlman	" o (2.0)	1-16								101	480	392	614	606	2391
Mrs. H. C. and C. H. Epperson	" o (2.65)	1-8								NO DIVERSION					

TABLE B-7 (Cont.)

DIVERSIONS - SUTTER BYPASS AND SACRAMENTO SLOUGH (contd.)  
October 1967 through September 1968

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
Elden Tarke	" o (3.0)	1-14 1-16								219	296	309	398	351	28	1601
Robert Stohlman	" o (3.0)	1-18							NO DIVERSION							
William Pendola	" o (3.55)	1-12 1-14	22							16	138	89	178	78	134	655
Edward Dean b	16.7N	1-12	86	62	50	19					69	36	75	71	75	543
Edward Dean b	16.75N	2-14										3	148	76		227
Fred Tarke and Sons b, h	17.5N	1-6											6	6		12
Epperson, Meyer, DeWitt, and Middleton	19.1N	1-12									54	329	406	373	33	1195
Kermit Tarke b	19.5N (0.1)	1-10									194	227	265	278	97	1061
T. S. Madden	19.9N	1-16								141	345	349	375	314	83	1607
Kermit Tarke b, h	19.98N	1-6										11		21		32
--STATE HIGHWAY 20 BRIDGE--	19.98N															
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	20.0N															
University of the Pacific b	0.9L	1-14						SACRAMENTO SLOUGH			102	196	131	102	41	572
<b>SUTTER BYPASS AND SACRAMENTO SLOUGH</b>																
Total			2784	3938	2995	609	0	0	6191	19499	20377	25042	22947	7409	111791	
Average cubic feet per second			45	66	49	10	0	0	104	317	342	407	373	125	154	
Monthly use in percent of seasonal			2.5	3.5	2.7	0.6	0.0	0.0	5.5	17.5	18.2	22.4	20.5	6.6		

\* Mileages on West Borrow Pit are given northerly from drain plant of Reclamation District 1500. Mile 9.15 on West Borrow Pit is opposite Chandler.  
\*\* Mileages on East Borrow Pit are given northerly or Southerly from Chandler.  
" Plant is on main drain canal for Drainage Plant No. 1 that joins East Borrow Pit of Sutter Bypass at Mile 1.4N. Figure in parentheses indicates distance along drain from East Borrow Pit.  
" Plant is on Wadsworth Canal that joins East Borrow Pit of Sutter Bypass at Mile 16.5N. Figure in parentheses indicates distance along canal from East Borrow Pit.  
" Plant is on Poodle Creek that joins East Borrow Pit of Sutter Bypass at Mile 16.7N. Figure in parentheses indicates distance along creek from East Borrow Pit.

# Station located on bridge at or near center of stream.  
a Water used for irrigation in Sutter Bypass is mainly Feather River return water which enters East and West Borrow Pits via Butte Creek, Butte Slough, and Wadsworth Canal.  
b Indicates area irrigated is within Bypass.  
c Previously listed as Mile 24.5L.  
d Replaces a 14" unit.  
e Includes an undetermined amount of spill.  
f The 8" unit was a temporary installation during 1968.  
g This diversion dropped as of October 1968 due to a cutback in the Diversion Program.  
h New installation in 1968.



TABLE B-7 (Cont.)

DIVERSIONS - FEATHER RIVER  
October 1967 through September 1968

WATER USER	MILE AND BANK above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
Kate and Walter Raymond Estate	0.6R	1-20									266	274	4		544
Kate and Walter Raymond Estate	1.0R	1-18									182	177			359
Kirtland Brothers	1.1L	1-12							NO DIVERSION						
William Baird	1.5R	1-12										54			54
A. H. Bergen	2.2L	1-18							83	98	57	107	90	3	438
Kate and Walter Raymond Estate	2.6R	2-20							NO DIVERSION						
Lingge-Elliott Ranch	2.6L	1-12							67	124	178	137	64	108	678
Kate and Walter Raymond Estate	4.0R	1-16							NO DIVERSION						
Mrs. Aileen Marty	4.55L	1-18	20						180	637	617	897	422	597	3370
C. Fred Holmes, Jr.	4.9R	1-16							NO DIVERSION						
D. R. Toledo and Son	5.2L	1-12							17	99	47	125	89	14	391
C. Fred Holmes, Jr.	5.4R	1-16										124			124
White Oak Ranch	5.6L	1-14 1-16	109						83	480	385	596	561	244	2458
A. F. Haymore	6.44L	1-10							66	148	112	203	29		558
M. Scheiber	7.2L	1-18									228	392	296	53	969
--NICOLAUS BRIDGE--	9.2														
--GAGING STATION - FEATHER RIVER AT NICOLAUS--	9.2L														
Leo Muller	9.25L	1-8									32	23	45		100
Hamatani Brothers	9.75R	1-20 1-30							284	1690	1550	1540	491	1130	6685
--BEAR RIVER --	12.0L														
Garden Highway Mutual Water Company	13.1R	2-20 1-24							1880	3170	3430	3810	3200	611	16101
George Taylor	15.2R	1-10							47	21	55	52	14	8	197
Feather Water District a	15.2R	3-14	56			6	35	13	773	1416	1582	1952	993	223	7049
Plumas Mutual Water Company	17.5L	2-18	81						974	1770	2550	2630	1470	1530	11005
Tudor Mutual Water Company	18.4R	2-30 1-35	63						529	820	1080	1240	398	290	4420
Leo Gildersleeve	18.4R	1-18							24	55	54	63			196
C. E. Sullivan	18.6R	1-8							NO DIVERSION						
C. E. Sullivan	19.0R	1-8							94	86	121	181	123	123	728
C. E. Sullivan	19.1R	1-10							61	94	123	183	82	108	651
C. E. Sullivan	19.3R	1-8						12	34	59	86	141	95	66	493
C. E. Sullivan	19.8R	1-3							NO DIVERSION						
C. E. Sullivan	20.0R	1-2							NO DIVERSION						
C. E. Sullivan	20.4R	1-12								134	110	112			356
Feather Water District a	20.4R	4-26	106			21	26	43	1406	1798	2999	3321	2248	882	12850
Oswald Water District	21.4R	2-16							183	514	382	567	306	385	2337
Di Giorgio Fruit Corporation	21.9L	1-4							NO DIVERSION						
--GAGING STATION - FEATHER RIVER BELOW SHANGHAI BEND--	23.0R														
S & S Land Company	26.3L	1-5								7	113	87	105	16	328
R. R. Wilbur Estate	26.8L	1-10						11	83	38	52	66	39	3	292
R. R. Wilbur Estate c	27.0L	1-12									92	14		115	221
--YUBA RIVER--	27.3L														
--GAGING STATION - FEATHER RIVER AT YUBA CITY--	28.0R														
--5TH STREET BRIDGE--	28.0														
--10TH STREET HIGHWAY BRIDGE--	28.2														
Feather River Ranch	30.9R	1-2 1/2							11	35	24	23		18	111
R. R. Wilbur Estate	31.6R	1-10								46	12	44			102
R. R. Wilbur Estate	32.3R	1-10								30		4	1		35
G. D. Prindiville	33.3R	1-10							100	9	162	142	39		452
Mathews, et al	33.9R	1-8 1-10							42	84	92	118	57		393
Sutter Extension Water District	38.1R	1-36 1-46 1-48							5410	10400	11000	11800	12400	3310	54320
La Finca Orchard	38.5L	1-5							NO DIVERSION						

TABLE B-7 (Cont.)

DIVERSIONS - FEATHER RIVER (contd.)  
October 1967 through September 1968

WATER USER	MILE AND BANK above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
Mathews, et al	39.4L	1-3 1-9								34	39	9	55		22	159
Fred A. Shaeffer, Jr.	42.1L	1-10								96	96	133	49	79	79	532
Libby, McNeil and Libby	43.5L	1-4									46	55	35	34	39	209
--HONCUT CREEK--	43.7L															
Mathews, et al	*(0.4L)	1-18								335	439	399	525	251	392	2341
Matsumura Brothers	*(1.2L)	1-8								NO DIVERSION						
Niel Denny	*(1.21L)	1-8								NO DIVERSION						
W. L. Robbins, Jr.	46.4R	1-6								NO DIVERSION						
Manuel Aguilar	47.9L	1-12	151	146					152	153	102	220	198	136		1258
M. E. Biggs	48.0L	1-7														d
M. E. Biggs	48.3L	1-10														d
Roy Mathews	48.9R	1-3									8	9	12	8		37
Bowers Ranch	49.0L	1-8								13	44	59	46	4		166
--GRIDLEY BRIDGE--	49.6															
--GAGING STATION - FEATHER RIVER NEAR GRIDLEY--	49.7R															
Roy Mathews	49.7L	1-3									10		11	11		32
Robinson Estate	50.4L	1-12	148							87	216	204	260	185	170	1270
Pedrozs Brothers	50.7L	1-6								17	19	30	33	36	14	149
Wendell A. Dewsnup	*52.1L	1-10									199	88	208	164	51	710
Mart Butler	52.5L	1-7								66	41	68	92	38	9	314
Moe Fruitman	52.7L	1-8									40	39	38	2		119
Carl Lee Walker	53.3L	1-6								NO DIVERSION						
L. & M. Ranches, Inc.	53.31L	1-2														e
I. G. Curtino	53.32L	1-3														e
Bob Allen f	57.9L	1-9									29	30	30	5		94
--FEATHER RIVER OUTLET AT THERMALITO AFTERBAY--	58.2R															
--OROVILLE-RICHVALE HIGHWAY BRIDGE--	62.6															
--STATE HIGHWAY 70 BRIDGE--	63.8															
--OROVILLE-CHICO HIGHWAY BRIDGE--	65.0															
--FEATHER RIVER FISH BARRIER DAM--	65.2															
--GAGING STATION - FEATHER RIVER AT OROVILLE--	65.3R															
--THERMALITO DIVERSION DAM--	65.6															
Western Canal Outlet @ g Thermalito Afterbay	19/3-180 **	Gravity	10580	18140	8850	1133				25580	40720	39080	42580	34550	13520	234733
Richvale Canal Outlet @ h Thermalito Afterbay	19/3-180 **	Gravity								7878	14070	14370	14750	9838	2715	63621
P.G.&E. Outlet @ Thermalito h Afterbay	19/3-19E **	Gravity								466	532	565	676	514	54	j 2807
Sutter Butte Canal Outlet @ k Thermalito Afterbay	18/3-58 **	Gravity	29040	521	1545	446	592	6015	76990	95700	90150	94710	80410	47030	m 523149	
--OROVILLE DAM--	70.4															
FEATHER RIVER																
Totals			40354	18807	10395	1606	653	6246	124146	176212	173281	185507	149926	73932		961065
Average cubic feet per second			656	316	169	26	11	102	2084	2866	2912	3017	2438	1242		1324
Monthly use in percent of seasonal			4.2	2.0	1.1	0.2	0.1	0.6	12.9	18.3	18.0	19.3	15.6	7.7		

+ Plant diverts Feather River water backed into Honcut Creek.  
 \* Diversions are via Thermalito Afterbay. Figures represent North Townships, East Ranges and sections. Letters represent the 1/4-1/4 sections which are lettered from A through R excluding I and O, similar to the numbering of sections within a township.  
 † Station located on bridge at or near center of stream.  
 ‡ Records furnished by U.S. Bureau of Reclamation.  
 § Includes an undetermined amount of spill.  
 ¶ New installation.

d No record. Owner refused permission to enter property.  
 e Insufficient data to compute.  
 f Formerly listed as Henry Haselbush.  
 g Formerly listed as Western Canal Company, Mile 61.2R.  
 h New installation in 1968.  
 j Includes diversions via Duncan Lateral.  
 k Formerly listed as Joint Water Districts, mile 58.1R.  
 m Includes 29,040 Acre Feet diverted during October at mile 58.1R.



TABLE B-7 (Cont.)

DIVERIONS - YUBA RIVER  
October 1967 through September 1968

WATER USER	MILE AND BANK above "D" Street	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
--HIGHWAY 99E BRIDGE--	0.0															
Quinco Corporation	0.9L	a 1-10									33	21	88			b 142
--SIMPSON LANE BRIDGE--	0.9															
Ben Williams	1.4R	1-6									6	7	5	2		20
John Schmidl	1.7R	1-6								1	23	35	59	27		145
Quinco Corporation	3.0L	1-12								19	109	148	180	69	11	536
Truman G. Cooper c	3.05R	1-10	6								19	12	10	11	7	65
R. R. Wilbur Estate	4.1L	1-10 1-12 1-14								15	365	138	448	359	153	1478
Di Giorgio Fruit Corporation	4.75L	1-8									16	47	61	3	39	166
Di Giorgio Fruit Corporation	5.15L	1-6								1	47	12		8	1	69
--GAGING STATION - YUBA RIVER NEAR MARYSVILLE--	5.2L															
Di Giorgio Fruit Corporation	6.2L	1-8								10	79	78	54	31	27	279
--DAGUERRE POINT DAM--	11.0															
Hallwood Irrigation Company	11.0R	Gravity			13503	2530	36	51	17650	32730	29734	29880	28060	15160		169334
Cordua Irrigation District	11.0R	Gravity	7460	9840	8640	1390		61	6700	13130	12520	12340	11940	5280		89301
Browns Valley Irrigation District	11.7R	1-12 1-16 1-6 1-24	74	186	192	62	490	2690	2760	2850	2750	1010				13064
--DRY CREEK--	13.1R															
Yuba Consolidated Gold Field Company	14.5L	Gravity						NON AGRICULTURAL USE								
--HIGHWAY 20 BRIDGE--	17.1															
--DEER CREEK--	21.8L															
--ENGLEBRIGHT DAM--	22.8															
<b>YUBA RIVER</b>																
Total			7540	10026	22335	3982	526	2817	27522	49211	45826	43988	40340	20486		274579
Average cubic feet per second			127	169	363	65	9	46	463	840	770	715	656	344		3724
Monthly use in percent of seasonal			4	4	8	2	0	1	10	15	17	16	15	8		

a Replaces a 6" and 12" unit  
b Includes an undetermined amount of spill.

c Formerly listed as L. E. Davis.

TABLE B-7 (Cont.)

DIVERIONS - BEAR RIVER  
OCTOBER 1967 through September 1968

WATER USER	MILE AND BANK above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
--MARYSVILLE-NICOLAUS COUNTY ROAD BRIDGE--	2.7															
--DRY CREEK--	4.5R															
--TROWBRIDGE-WHEATLAND COUNTY ROAD BRIDGE--	6.8															
California Packing Corporation	9.0L	1-8						NO DIVERSION								
California Packing Corporation	10.7L	1-10						NO DIVERSION								
--GAGING STATION - BEAR RIVER NEAR WHEATLAND--	11.3R															
--HIGHWAY 99E BRIDGE--	11.3															
<b>BEAR RIVER</b>																
Total			0	0	0	0	0	0	0	0	0	0	0	0	0	0
Average cubic feet per second			0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly use in percent of seasonal			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE B-7 (Cont.)

DIVERSIONS - AMERICAN RIVER  
October 1967 through September 1968

WATER USER	MILE AND BANK above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
--GARDEN HIGHWAY BRIDGE--	0.2														
--HIGHWAY 40 and 99E BRIDGE (16th Street)--	1.9														
North Sacramento Land Company	2.75R	1-8							NO DIVERSION						
--SOUTHERN PACIFIC RAILROAD BRIDGE--	3.0														
--ELVAS FREEWAY BRIDGE--	3.2														
--STAGE STATION - AMERICAN RIVER AT SACRAMENTO ( H Street)--	6.0#														
City of Sacramento	6.9L	1-20 1-24 1-30 2-36	2870	1660	2480	1760	1400	2150	2400	3390	3910	4370	3830	2230	32450
E. Clemens Horst Company	7.5R	1-8							PLANT REMOVED						
--WATT AVENUE BRIDGE--	8.8														
Walter J. Wisaemann	9.0L	1-6								29	43	68			140
J. G. and F. F. Dauenhauer	9.2L	1-4							PLANT REMOVED						
Gold Nugget Orchard Company	10.4R	1-5							PLANT REMOVED						
Richard Oki	11.2L	1-4	1						3	6	8	10	13	8	49
Miller & Associates	11.35L	1-4							8	22	40	42	37		149
Riverview Enterprises	11.7L	1-4							NO DIVERSION						
Natomas Company	14.3L	1-4 1-6	51							74	133	85	98	59	500
Carmichael Irrigation District	14.76R	1-10 2-12	215	169	71	9		6	50	240	175	226	288	194	1643
Natomas Company	15.5L	1-6	19						25	29	45	30	58	35	241
Carmichael Irrigation District	16.0R	4-10 4-12 1-14	780	491	329	318	201	477	517	779	1005	1255	1006	978	8136
--FAIR OAKS BRIDGE--	19.0														
--BRIDGE STREET BRIDGE (OLD FAIR OAKS BRIDGE)--	19.2														
--GAGING STATION - AMERICAN RIVER AT FAIR OAKS--	21.4R														
<b>AMERICAN RIVER</b>															
Total			3936	2320	2880	2087	1601	2633	3003	4569	5359	6086	5330	3504	43308
Average Cubic feet per second			64	39	47	34	29	43	50	74	90	99	87	59	60
Monthly use in percent of seasonal			9.1	5.4	6.6	4.8	3.7	6.1	6.9	10.6	12.4	14.0	12.3	8.1	

# Station located on bridge near left bank.

TABLE B-7 (Cont.)

DIVERSIONS - PUTAH CREEK\*  
October 1967 through September 1968

WATER USER	MILE AND BANK above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
T. S. Glide	0.8L	a 1-14							NO DIVERSION						
Cowell Foundation	1.3R	1-12							94	170	160	118	112	74	728
Cowell Foundation	1.6R	1-12							90	63	44	41	20		258
Mary Jane Hamel Estate	2.7R	a 1-10 1-16									86	99	76		261
Mary Jane Hamel Estate	2.8L	1-8 a 1-16							25	65	69	64			223
Dow Chemical Company	2.85R	b 1-4							NO DIVERSION						
Dow Chemical Company	2.9R	b 1-4							NO DIVERSION						
Dow Chemical Company	3.5R	b 1-4							NO DIVERSION						
Dow Chemical Company	3.7R	b 1-4							NO DIVERSION						
--COUNTY LINE ROAD BRIDGE	3.8														



TABLE B-7 (Cont.)

DIVERSIONS - PUTAH CREEK \* (Continued)  
October 1967 through September 1968

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
W. E. Hansen	3.8R	a 1-6							NO DIVERSION						
W. E. Hansen	4.3L	1-8							38	65		18			121
W. B. & P. W. Schoeningh	4.8R	1-15								86	65	19			170
--GAGING STATION - SOUTH FORK PUTAH CREEK NEAR DAVIS--	7.2#														
--PLAINFIELD ROAD BRIDGE--	10.0														
J. R. and Cornelia S. Phillips	11.9R	a 1-4							8	20					28
J. R. and Cornelia S. Phillips	12.65R	1-6							NO DIVERSION						
--GAGING STATION - PUTAH CREEK ABOVE DAVIS--	12.8#														
--STEVENSON ROAD BRIDGE--	12.8														
B. S. Wolfe, Jr.	13.1L	1-5							NO DIVERSION						
W. Linder	13.3L	1-1 1/2	1							1	1	2	2	2	9
Fentzling Raach	13.9L	1-7							NO DIVERSION						
Chew Brothers c	14.5L	1-12							92	75	108	75	2		352
--GAGING STATION - PUTAH CREEK BELOW WINTERS (BOYCE ORCHARD)	17.0R														
Eyvind M. Faye	17.1R	1-6								99	92	107	6		304
A. C. A. Orchards	19.3L	1-4							6	10		14		4	34
--SOUTHERN PACIFIC RAILROAD BRIDGE--	19.9														
--COUNTY ROAD BRIDGE--	19.9														
Alfred Manas	20.1R	s 1-5								3					3
H. M. Brusseau	20.9R	1-1 1/2							NO DIVERSION						
--PUTAH DIVERSION DAM--	22.6														
--PUTAH SOUTH CANAL--	22.6R														
W. Tufts	22.85L	1-6							8	10	5	11	12	9	55
Jack and Grace Fay	24.0R	1-3	1						1	1	3	4	2		12
--COUNTY ROAD BRIDGE--	24.0														
Paul J. Childs d	24.0L	1-3								10	10	9	8	11	48
Casimir Tanski e	24.0L	f 1-1 1/2								1	1	1			3
Hugh Goddard	24.9R	1-3	13	4					16	25	19	39	27	33	176
Hugh Goddard	25.2R	1-2 1/2								3	1	12	7	6	29
Mrs. Dorothy Adams and Hanford B. Sackett	25.6R	g 1-3									5	9	6	5	25
Mrs. Dorothy Adams and Hanford B. Sackett	25.8R	g 1-3	8									19	3	6	36
--GAGING STATION - PUTAH CREEK NEAR WINTERS--	27.8L														
Samuel S. Silvey	28.6L	1-2								1					h 1
Samuel S. Silvey	28.7L	1-2 1/2							NO DIVERSION						
Samuel S. Silvey	28.75L	1-1 1/2							NO DIVERSION						
--HIGHWAY 128 BRIDGE--	28.8														
Samuel S. Silvey	28.9L	1-2 1/2									3	1			4
Samuel S. Silvey	29.0R	1-1							NO DIVERSION						
--MONTICELLO DAM--	29.3														
<b>PUTAH CREEK</b>															
Total			23	4	0	0	0	8	192	687	673	662	281	150	2880
Average cubic feet per second			0	0	0	0	0	0	7	11	11	11	5	3	4
Monthly use in percent of seasonal			0.8	0.1	0.0	0.0	0.0	0.3	13.6	23.8	23.4	23.0	9.8	5.2	

\* Diversions below the gaging station at Mile 7.2 (S.F. Putah Creek near Davis) are considered as Delta Upland Diversions.  
# Station located on bridge at or near center of stream.  
a This is a portable unit.  
b Portable unit used at miles indicated.

c Installed prior to 1968. Not previously reported.  
d New installation in 1968.  
e Formerly listed as Steve Swan.  
f Replaces a 2" unit.  
g Portable unit used at Miles 25.6R and 25.8R.  
h Domestic use only.

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS  
(Old River, Tom Paine Slough, and French Camp Slough)  
October 1967 through September 1968

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
<u>OLD RIVER</u>	*														
--CONTRA COSTA CANAL--	30.5L														
John A. Betteocourt a	30.5L	1-18	55						162	200	284	273	203	249	1426
Peter Combata b	36.5L	2-6	24		5			7	9	46	33	51	53	32	260
East Contra Costa Irrigation District	36.5L	1-18 3-24 2-30	504						3380	7450	6640	7800	6210	3130	35114
--STATE HIGHWAY 4 BRIDGE--	38.8														
Byron-Betheny Irrigation District	40.9L	1-20 1-24 2-30	2790					233	4760	7620	7260	8010	6440	3870	40983
--STAGE STATION - OLD RIVER AT CLIFTON COURT FERRY--	44.0L														
--DELTA MENDOTA CANAL--	44.6L														
M. R. Furtado d	44.6L	1-14	110	25					221	248	324	350	255	205	1738
Al Spotorno	44.7L	1-8	16						38	19	49	52	39	17	230
William M. Ralph	45.3L	1-12	68	39					343	338	401	405	385	317	2296
Bankhead Enterprises e	47.2L	1-16	73	30		109			72	5	53	60	73	20	495
Luclio J. Costa e	47.2L	1-14	1						1						2
Johnnie L. Costa d	47.65L	1-8							74	40	68	72	33	72	359
West Side Irrigation District	47.65L	1-10 7-15 1-18	1990					336	4230	6240	5510	6370	4980	3920	33576
Vance Brown	48.4L	1-12	23					1	67	65	61	125	43	91	476
Naglee Burke Irrigation District	48.6L	1-14							63	48	61	61	20		253
Salles Brothers	49.5L	1-4	1							1	1	1	1	1	6
Naglee Burke Irrigation District	50.1L	1-18	85						290	134	534	178	342	215	1778
Naglee Burke Irrigation District	50.4L	1-16 1-18	258	24		26	5		1290	1340	1610	1750	1130	1190	8623
Fremont Irrigation Association	50.9L	1-16			178	100		79	377	362	495	604	306	149	2650
Joe M. Freitas	51.0L	1-10								1	34	1	17		53
Arthur Casserini	51.2L	1-10								22	26	27	12	10	97
E. Platti, J. Goulardt, T. Silveira, and A. Galli	52.4L	1-10						10	26	19	25	50	25	4	159
--TRACY ROAD BRIDGE--	52.8														
--STAGE STATION - OLD RIVER NEAR TRACY ROAD BRIDGE--	52.8R														
A. L. Galli	53.0L	1-8				92									92
--MOUTH OF TOM PAINE SLOUGH--	54.3L														
<u>OLD RIVER</u>															
Total			5998	118	183	327	5	666	15403	24198	23469	26240	20567	13492	130666
Average Cubic feet per second			98	2	3	5	0	11	259	394	394	427	334	227	180
<u>TOM PAINE SLOUGH</u>	**														
Independent Mutual Water Corporation and Company	0.7S	2-18	6	35		92		130	377	1100	620	1020	457	227	4064
Independent Mutual Water Corporation and Company	1.5S	1-18				92			181	62	103	112	103	41	694
--HOLLY SUGAR CORPORATION DREDGER CUT--	2.1S														
George J. Lake	8 (0.5W)	1-10							216	388	266	278	104		1252
Holly Sugar Corporation	8 (1.2W)	1-14						NO DIVERSION							
Holly Sugar Corporation	8 (1.35W)	1-12	322	281				104	312	218	312	322	322	312	fg 2505
--STAGE STATION - TOM PAINE SLOUGH ABOVE MOUTH--	2.2S														
--MACARTHUR DRIVE BRIDGE--	2.7														
Pescadero Reclamation District 2058 (#1)	2.9S	1-12	11			43		97	148	145	153	156	31	3	787



TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS  
(Old River, Tom Paine Slough, and French Camp Slough) (contd.)  
October 1967 through September 1968

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET										TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY		AUG.	SEPT.
<u>TOM PAINE SLOUGH (Contd.)</u>															
--LAUREL AVENUE BRIDGE--	3.7														
Frank Bastian	4.3S	1-8							22	21	24	25	10	102	
--PARADISE ROAD BRIDGE--	6.0														
Pescadero-Reclamation District 2058 (#3)	6.3S	1-14 1-16 1-20	472				3	110	1690	2140	2320	2590	2010	1350	12685
--MAPLE AVENUE BRIDGE--	7.0														
Pescadero Reclamation District 2058 (#5)	8.3S	1-12	24						116	153	290	222	168	142	1115
--CALIFORNIA AVENUE BRIDGE--	8.8														
Peacadero Reclamation District 2058 (#6)	9.0N	1-16 1-18	40					1	241	166	265	224	128	98	1163
<u>TOM PAINE SLOUGH</u>															
Total			875	316	0	227	3	442	3303	4393	4353	4949	3333	2173	24367
Average cubic feet per second			14	5	0	4	0	7	56	71	73	80	54	37	34
<u>FRENCH CAMP SLOUGH</u> ***															
Carolyn Weston	1.05L	1-12							126	84	99	151	66	119	645
Carolyn Weston	1.4L	1-7								59	38	50	36	33	216
Carolyn Weston	1.45L	1-6							25	45	83	74	72	19	318
--FRENCH CAMP TURNPIKE--	2.0														
Frank West	2.2L	1-10							247	264	276	385	240	200	1613
Manuel E. Granados	2.3R	1-3								7	7	12	6		32
Robert L. Bordenave	2.8R	1-8							NO DIVERSION						
Frank West	3.0L	1-10							22	12					34
Tom Gomes	3.3L	1-5							NO DIVERSION						
Tom Gomes	3.4L	1-4							NO DIVERSION						
--U. S. 50 HIGHWAY BRIDGE--	3.45														
--SOUTHERN PACIFIC RAILROAD BRIDGE--	3.6														
Milton G. Boege	3.8L	1-8							NO DIVERSION						
Robert L. Bordenave	3.8R	1-12							NO DIVERSION						
--WESTERN PACIFIC RAILROAD BRIDGE--	4.1														
--GAGING STATION -FRENCH CAMP SLOUGH NEAR FRENCH CAMP--	5.4#														
<u>FRENCH CAMP SLOUGH</u>															
Total			1	0	0	0	0	0	420	471	503	672	420	371	2858
Average cubic feet per second			0	0	0	0	0	0	7	8	8	11	7	6	4

\* Mileage along Old River from mouth of San Joaquin River 4 1/2 miles below Antioch.

\*\* Mileage along Tom Paine Slough from its mouth at Mile 54.3L on Old River.

\*\*\* Mile and bank above mouth.

† Holly Sugar Corporation dredger cut joins Tom Paine Slough at Mile 2.1S. Distance along dredger cut and bank is shown in parentheses.

# Station located on bridge at or near center of stream.

a Rock Slough joins Old River at Mile 30.5L. Pumping plant is located on intake canal which joins Rock Slough.

b Indian Slough joins Old River at Mile 36.5L. Pumping plant is located on intake canal which joins Indian Slough.

c Italian Slough joins Old River at mile 40.9L. Pumping plant is located on the Delta Pumping Plant Intake Canal which joins Italian Slough.

d Plant is located on intake canal which joins Old River at this mile.

e Plant is located on Mountain House Creek which joins Old River at this mile.

f Industrial use only.

g Includes an undetermined amount of spill to the river.

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS  
(San Joaquin River - Stockton to Vernalis)  
October 1967 through September 1968

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
--STATE HIGHWAY 4 BRIDGE--	45.3															
--FRENCH CAMP SLOUGH--	46.1R															
Carolyn Weston	46.2R	1-7	1								31	21	21	19	14	107
Carolyn Weston	46.3R	1-12								127	128	90	107	42	3	497
Bob Blewett	46.65R	1-10								41	55	41	58		19	214
Frank West	46.85R	1-10								116	50	59	29	40	55	349
F. Asao	47.2R	1-6								9	1	12	2	21	4	49
Gertrude La Baume	47.3R	1-10	3							68	51	27	48	31	5	233
C. C. Long	47.55R	1-10	62							221	144	165	161	197	163	1113
Waldo C. Haack	48.0R	1-14	15							10				7		32
Waldo C. Haack	48.1R	1-14	23					8		320	234	306	520	350	278	2039
Chow L. Young	48.3R	1-6								3	26	11	16	12	2	70
Joe Calcagno	48.5R	1-8		7						33		49	42	25	25	181
C. J. Pregno	48.55R	1-6		1												1
John Calcagno	48.66R	1-12								91	81	124	119	93	75	583
Alfred Rodgers	49.0R	1-12	67	16						35	84	71	96	84	78	531
Ray Muller	49.3R	1-14	4							58	140	424	337	315	144	1422
Ray Muller	49.5R	1-12	8							29	182					219
A. A. Rodgers	50.1R	1-10	25							1	51	38	84	42	2	243
--STAGE STATION - SAN JOAQUIN RIVER AT BRANDT BRIDGE--	50.2#															
A. Hirata	50.4R	1-10						29		54	45	66	49			243
K. R. and F. Wacanabe	50.6R	1-6	11					11		1	12	31	36	21	1	124
D. Toscano	50.8R	1-6									23	28	17	16	6	90
Pastorino Brothers	50.9R	1-12								87	82	105	112	63		449
Irvao Muller	51.2R	1-12						16		13	47	31	47	16		170
W. B. Herbert and Y. B. Lawrence	51.6R	1-10								32	30	34	30	34	20	180
Barbary Coast Company	a 52.4R	1-5										11	18	12		41
E. P. Valla	52.65R	1-10			124							34	22			180
J. Widmer	53.2R	1-16	16	2				1		167	192	289	284	218	135	1304 b
J. Widmer	53.45R	1-12								25	25	33	24	33	31	171
Julio Lorenzo	53.5R	1-8								33	15	15	20	27	26	136
John Caparra	53.6R	1-4		5						4	4	7	7	6	7	40
J. Romo and B. Andaya	53.7R	1-14	50			11	11	27		164	158	259	209	274	197	1360
I. N. Robinson, Jr.	53.8R	1-14	72	1				1		48	146	256	170	172	131	997
H. N. Hansen, H. C. Hansen and William Giger	54.9R	1-8	206			29				203	164	128	293	193	178	1394
--JUNCTION WITH OLD RIVER--	56.2L															
Oakwood Stock Farm	57.0R	1-14	59							177	490	336	398	279	71	1810
Ernest Wennhold and Roy Tholke	57.15R	1-7									58		42	25		125
Vernon Ratto	57.39R	1-8								41	34	19	45	20		159
Andrew B. Calori	57.45R	1-6									22	14	13	11		60
G. Gardella	57.5R	1-4				10					8	6	5	3	1	33
A. Queirolo	58.6R	1-4									9	8	5	6		28
Tony Mauro	58.7R	1-6									4	2	4			10
--SOUTHERN PACIFIC RAILROAD BRIDGE--	58.8															
--STAGE STATION -SAN JOAQUIN RIVER AT MOSSDALE BRIDGE--	58.9R															
--U. S. 50 HIGHWAY BRIDGE--	58.9															



TABLE B-7 (Cont.)

DIVERSIONS -DELTA UPLANDS  
(San Joaquin River - Stockton to Vernalis) (contd.)  
October 1967 through September 1968

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT. ACRE-FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
Libby, Owens, and Ford	59.25R	1-6						NO DIVERSION								
R. H. Brown	59.3R	1-18	155							78	202	170	196	260	164	1225
Eugene J. Rossi, et al	59.5L	1-14								89	173	183	229	167	46	887
--WESTERN PACIFIC RAILROAD BRIDGE--	59.5															
R. H. Brown	c 60.1R	d 1-4									23	34	34	39	30	160
G. M. Baird	c 60.1R	1-16								419	67	303	216	416	269	1690
A. F. Windeler	60.5L	1-16								256	93	171	151	215	65	951
E. Picchi and Son	60.8R	1-8			29						92		67			188
E. Picchi and Son	61.4R	1-12			55	63				51	77	99	65	65	2	477
Lester Bishofberger	62.0R	c 1-8									7	70	72	72		221
Bernice Von Sostea	62.0L	1-12								137	60	187	178	84	89	735
--PARADISE DAM (HEAD OF PARADISE CUT)--	62.2L															
Paradise Mutual Water Company	f 62.2L	1-14 1-20	38						53	523	355	576	545	404	231	2725
G. Eldon Everett	63.3L	2-20	4							1250	1430	949	1040	748	659	6080
State of California	63.3L	1-14	42							43	289	441	483	389	145	1832
H. H. Grimes	63.6R	1-12				261							91			352
G. Eldon Everett	63.7L	1-10								27	39	73	71	70		280
Alexander Hildebrand	g 66.0R	1-14								63	47	61	57	52	46	326
Johmie J. Silva	66.7L	1-16		19	134									91	85	329
K-C Ranch	66.8R	1-16								282						282
Banta Carbons Irrigation District	67.5L	2-10 2-16 2-20 3-24 1-36	1750	209					640	6870	9090	5310	5330	3490	2460	35149
John Reamers	68.2R	1-10									156	52	119	98	46	471
John Reamers	68.4R	1-14	25									14	2			41
San Joaquin River Water Users Company	69.5R	1-16	91							94	53	177	196	260	132	1003
Glenn M. West Estate	70.0L	1-10	64					29	96	166	190	177	138	165		1025
San Joaquin River Water Users Company	71.0R	2-16	63		156	62		15	697	560	709	802	762	634		4460
E. Filippini	71.0R	1-4						NO DIVERSION								
A. J. Cardoza & Son	71.75R	1-16										41	17	12	10	80
Navarra Brns. River Ranch	71.9L	1-12	7								374	223	235	136	27	1002
A. J. Cardoza & Son	72.1R	1-10										67	40	41	32	180
Robertson and Sons	73.0L	1-8	2						126	193	134	273	194	131		1053
H. J. Mortensen and Barker	73.2R	1-8 1-14	27	105							336	46	269	200	70	1053
San Joaquin River Club	74.7L	1-8		5	76			1								82
E. A. Tassi	75.6R	1-16	19						1	64	87	82	122	157	124	656
<b>SAN JOAQUIN RIVER (Stockton to Vernalis)</b>																
Total			2909	370	574	436	12	831	13376	16795	13512	14567	11267	7333		81982
Average cubic feet per second			47	6	9	7	0	14	225	273	227	237	183	123		113

\* Mileage along San Joaquin River from its mouth 4-1/2 miles below Antioch.  
# Station located on bridge at or near center of stream.  
a Formerly listed as A. McNamars, K. McNamars and Betty French  
b Includes an undetermined amount of spill.  
c Plant is located on Walthall Slough which joins the San Joaquin River at this mile.

d Replaces a 6" unit.  
e Temporary installation in 1968.  
f Plant is located on Paradise Cut which joins the San Joaquin River at this mile.  
g Plant is located on Old Channel which joins the San Joaquin River at this mile.

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS  
(Calaveras River\*)  
October 1967 through September 1968

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
Inman Realty Company	1.8L	1-12														NO DIVERSION	
M. Larson	2.1L	1-2															a
Clair E. Weitman	2.2L	b 1-2											1				1
E. P. Woelfel	2.35L	1-3															a
Weltershauser, Ghirzo and Piccardo	2.5R	1-12								143	61	75	91	57			427
John Santa Maria	2.9L	1-4	2	1							4	4	2	2			16
--PACIFIC AVENUE BRIDGE--	3.7																
--SOUTHERN PACIFIC RAILROAD BRIDGE--	5.3																
--STOCKTON DIVERTING CANAL--	5.4L																
Roy Moresco	5.7L	1-14														PLANT REMOVED	
Claude Moresco	6.0L	1-5														PLANT REMOVED	
A. Toso	6.2L	1-4								2	6	9	7	12	6		42
Armando Bardsso	6.4R	1-7 1/2								10	15	13	16	14	7		75
A. Toso	6.5L	1-6									12	16	3	13	5		49
--U. S. 50 and 99 HIGHWAY BRIDGE--	6.8																
--CHERRYLAND ROAD DAM--	7.3																
A. Vignolo and Son	7.3L	1-12										63	35	36	46		180
V. C. Blekley	7.4L	1-2 1/2									9		9	6			24
J. L. Filippella	7.6L	1-10									7	7	7	1	4		26
--CENTRAL CALIFORNIA TRACTION COMPANY RAILROAD BRIDGE--	7.9																
Oneto Brns. c	7.7R	1-6									6	24	30	35	7		102
J. N. Sanguinetti	8.3L	1-6								4	2	9	7	10	1		33
Oneto Brns.	8.35R	1-6								11	4	28	26	18	6		93
A. V. Lagprio	8.5L	1-6								11	10	8	10	10	8		57
--GAGING STATION - CALAVERAS RIVER NEAR STOCKTON--	8.8																
<b>CALAVERAS RIVER</b>																	
Total			2	1	0	0	0	0	38	215	242	230	248	149			1125
Average cubic feet per second			0	0	0	0	0	0	1	3	4	4	4	2			2

\* Diversions below the Stockton gaging station are considered as Delta Uplands diversions. Right bank diversions below Mile 2.0 and left bank diversions below Mile 0.7 are not included since they serve areas that are considered to be within the Delta Lowlands. Tidal effect ceases at about Mile 5.0.  
a Domestic use only. Estimated as less than one acre-foot.  
b Replaces a 4" unit.  
c. New Installation in 1968.

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS  
( Mokelumne River\*)  
October 1967 through September 1968

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
Clow and Rose	4.7R	1-12									132	47	52	197	56		484
--FRANKLIN-THORNTON HIGHWAY BRIDGE--	4.9																
--COSUMNES RIVER--	5.0R																
--WESTERN PACIFIC RAILROAD BRIDGE--	5.4																
Manuel Lopes	6.0R	1-10									116	181	233	204	18		752
Manuel Lopes	6.6R	1-12										28	92	104	58		293
Thornton-Pry Ranches	6.9R	1-8													2		2
--GALT - THORNTON HIGHWAY BRIDGE--	7.0																
Thornton-Pry Ranches	7.6R	2-12									256	1082	1065	1002	1260	853	5518



TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS  
(Mokelumne River\*) (contd.)  
October 1967 through September 1968

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
Thornton-Fry Ranches	8.1R	1-12										16	15	34	65	
Albin G. Steffan	8.7R	1-12	73	14						105	175	194	168	175	172	1076
J. L. Pandy	10.4L	1-12							NO DIVERSION							
Albin G. Steffan	10.6R	1-16	280	95						431	511	523	542	566	503	3451
Albin G. Steffan	12.7R	1-12	224	51						441	437	637	659	611	566	3626
Edwards Holding Company a	12.7L	1-6										6	28			34
A. Taddei	14.2R	1-6							NO DIVERSION							
C. Blattler	15.5R	1-4	4							2	6	10	8	9	10	49
A. Taddei	15.6R	1-6								19	20	27	29	40	5	140
Mrs. Rose J. Linde	16.8R	1-6								31	51	53	18			153
James Piazza	17.4R	1-6								28	25	36	26	20		135
Warren Hargrave	18.2L	1-7								22	13	17	16			68
--GAGING STATION - MOKELUMNE RIVER AT WOODBRIDGE--	19.2R															
--SACRAMENTO ROAD BRIDGE--	19.8															
--WOODBRIDGE IRRIGATION DISTRICT DAM--	19.9															
<u>MOKELUMNE RIVER</u>																
Total			581	162	0	0	0	0	1254	2588	2871	2947	3195	2248		15846
Average cubic feet per second			9	3	0	0	0	0	21	42	48	48	52	38		22

\* Diversions below the Woodbridge gaging station are considered as Delta Uplands diversions. Left bank diversion into Reclamation District 348 (below Mile 9.8) and right bank diversions into McCormack-Williams on Tract (below Mile 3.5) are not included, since these areas are considered to be within the Delta Lowlands. Tidal effect ceases at about Mile 10.5.  
\*\* Mile and bank above New Hope Bridge.  
a Formerly listed as Dalton Ford.

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS  
(Cosumnes River\*)  
October 1967 through September 1968

WATER USER	MILE AND BANK above Mouth	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
--WESTERN PACIFIC RAILROAD BRIDGE--	0.4															
Jesse Crump	0.2R	1-8	4							25	5	49	31	24	36	174
Jesse Crump	0.3R	1-8								16	6	20	22	9	16	89
Jesse Crump	0.8R (0.1N)	1-4	15	10						31	37	66	68	48	46	321
Charles Coldani	0.8R (0.3N)	1-12	18							24	49	62	65	38	27	283
Charles Coldani	0.8R (0.4N)	1-12									99	60	62	49		270
Charles Coldani	0.8R (0.5N)	1-10	20								64	62	20	28	7	201
Charles Coldani a	0.8R (0.8N)	1-12									93	131	108	105		437
Nicolaus Ranch	1.9R	2-16	244	21	5					345	637	846	734	706	263	3801
Kenwothy and Patterson	2.0L	1-24								71	206	254	284	305	141	1261
A. H. Watson	2.8L	1-7							PLANT REMOVED							
--STATE HIGHWAY 104 BRIDGE--	5.3															
Fred G. Cary	6.0L	1-3							PLANT REMOVED							
John G. Belcher	9.8R	1-16		2	16				5	109	152	84				368
Jack Lewis	10.5R	1-8				31				34	31	22	3			121
--SOUTHERN PACIFIC RAILROAD BRIDGE--	10.6															
--GAGING STATION - COSUMNES RIVER AT MCCONNELL--	10.7#															
--U. S. 50 and 99 HIGHWAY BRIDGE--	10.7															
<u>COSUMNES RIVER</u>																
Total			301	33	21	31	0	5	655	1379	1656	1397	1312	536		7326
Average cubic feet per second			5	1	0	0	0	0	11	22	28	23	21	9		

\* Diversions below the McConnell Gaging Station are considered as Delta Uplands diversions. Tidal effect ceases at about Mile 3.5.

# Station located on bridge at or near center of stream.  
a New installation in 1968.

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS  
(Sacramento River below Sacramento\*)  
October 1967 through September 1968

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
--RIO VISTA BRIDGE--	12.9															
John Lira	13.0R	1-6	2					1		2	5	3	3	1	17	
C. A. Beach	45.2L	1-12								23	40	65	77	35	240	
W and B. Correa	45.5L	1-10							NO DIVERSION							
Hack and Foraythe	45.75L	1-6								21	22	24	39	28	134	
A. J. Sweeney	45.95L	1-10	2							3	45	79	77	23	4	233
--FREEPORT BRIDGE---	46.0															
Freeport Development Company	46.25L	1-8	5							55	25	200	204	118	607	
L. J. Dee	46.8L	1-10								12	14	109	113	45	293	
L. G. Klotz	47.3L	1-8	42							81	75	76	100	94	93	561
E. A. Franklin	47.5L	1-8							NO DIVERSION							
George Coleman	47.7L	1-6								7	31	54	33	12	137	
M. A. Richardson a	53.7L	1-6							PLANT REMOVED							
City of Sacramento	56.0L	3-14									12	534	694	580	301	2121
--TOWER BRIDGE - SACRAMENTO--	59.0															
SACRAMENTO RIVER BELOW SACRAMENTO																
Total			51	0	0	0	1	0	204	269	1144	1340	936	398	4343	
Average cubic feet per second			1	0	0	0	0	0	3	4	19	22	15	7	6	

\* Mileage above Chain Island.  
a Plant removed.

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS  
(Yolo Bypass - West Cut\*)  
October 1967 through September 1968

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
H. L. Sorenson	4.2R (1.1)	1-14							NO DIVERSION							
H. L. Sorenson	4.2R (1.9)	1-14									7	165	113	122	68	475
Mounds Farms	4.2R (2.0)	2-12	234	105	41	19						159	143	155	242	1098
H. L. Sorenson	4.2R (2.0)	1-16	126	9	8					51	169	209	174	183	150	1079
Yolo Flyway Farms	5.7R (0.9)	1-18	617	309	193	75					10	21			81	1306
R. S. W. Ranch	5.7R (1.5)	1-16	319	192	7	44			14	210	268	270	464	304	338	2430
Yolo Basin Farms	6.75R (0.6)	1-16	358	223	79	21								106	175	962
Lucky Five Farms	6.75R (0.7)	1-16	261	40						109	205	327	293	148	187	1570
C. C. Impey	7.85R (0.2)	1-16	208	129	65	11					90	80	114	97	24	818
Florence R. and Lillian E. Swanston a	7.87R (0.7)	1-16										30	29	29		88
Florence R. and Lillian E. Swanston a	7.87R (1.6)	1-16	240	9						224	573	419	187	298	189	2139
G. A. Pope	7.87R (2.0)	1-14	32	36	34					154	165	202	309	203	194	1329
G. A. Pope	7.87R (2.4)	1-14	80							188	214	203	289	219	231	1424
G. A. Pope	7.87R (2.6)	1-14 1-16	214	42						234	623	435	555	494	448	3045
Florence R. and Lillian E. Swanston a	9.1R	1-18	524	95	18	14				100	784	104	184		107	1930
T. S. Glide	10.9R (0.1)	1-20	227	359	397	103					214	420	448	247	576	2991
T. S. Glide	11.0R	b 1-20										100	116			216
T. S. Glide	12.4R	b 1-16										176	147			323
T. S. Glide	12.9R	b 1-14										162	108			270
T. S. Glide	13.15R	b 1-16							NO DIVERSION							



TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS  
(Yolo Bypass - West Cut\*) (contd.)  
October 1967 through September 1968

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
--SACRAMENTO NORTHERN RAILROAD BRIDGE--	13.2															
T. S. Glide	13.5R	b 1-16							NO DIVERSION							
T. S. Glide	13.9R	b 1-30											186	160		c 346
T. S. Glide	14.4R	b 1-16							NO DIVERSION							
T. S. Glide	14.8R	b 1-30											465	400		c 865
T. S. Glide	14.8R (0.2)	b 1-16							NO DIVERSION							
T. S. Glide	14.8R (0.3)	b 1-14							NO DIVERSION							
T. S. Glide	14.8R (1.0)	b 1-16							NO DIVERSION							
Cowell Foundation	17.1R (0.7)	1-20								73	52	200	121			446
Cowell Foundation	17.1R (1.4)	3-20 1-30	352	295	71				30	1390	2640	3680	5260	3980	1120	18818
T. S. Glide	18.6R	1-36							NO DIVERSION							
--U. S. 40 and 99W CAUSEWAY--	20.1															
<u>YOLO BYPASS - WEST CUT</u>																
Total			3792	1843	913	287	0	44	2660	6035	7214	9784	7266	4130		43968
Average cubic feet per second			62	31	15	5	0	1	45	98	121	159	118	69		61

\* Mileage above Prospect Island.  
a Formerly listed as Swanston Land Company.  
b This is a portable unit.

c Quantity determined by consumptive use method.

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS  
(Putah Creek\*)  
October 1967 through September 1968

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
T. S. Glide	0.8L	a 1-14							NO DIVERSION							
Cowell Foundation	1.3R	1-12								94	170	160	118	112	74	b 728
Cowell Foundation	1-6R	1-12								90	63	44	41	20		b 256
Mary Jane Hamel Estate	2.7R	1-10 a 1-16										86	99	76		b 261
Mary Jane Hamel Estate	2.8L	c 1-10 a 1-16								25	65	69	64			223
Dow Chemical Company	2.85R	d 1-4							NO DIVERSION							
Dow Chemical Company	2.9R	d 1-4							NO DIVERSION							
Dow Chemical Company	3.5R	d 1-4							NO DIVERSION							
Dow Chemical Company	3.7R	d 1-4							NO DIVERSION							
--COUNTY LINE ROAD BRIDGE--	3.8															
W. E. Hansen	3.8R	a 1-6							NO DIVERSION							
W. E. Hansen	4.3L	1-8								38	65		18			121
W. B. & P. W. Schoeningh	4.8R	1-15									86	65	19			170
--GAGING STATION - SOUTH FORK PUTAH CREEK NEAR DAVIS--	7.2#															
<u>PUTAH CREEK</u>																
Total									247	449	424	359	208	74		1761
Average cubic feet per second									4	7	7	6	3	1		2

\* These diversions are considered as part of the Delta Uplands. The diversions for the entire Putah Creek below Monticello Dam are shown on page 199.  
# Station located on bridge at or near center of stream.

a This is a portable unit.  
b An undetermined amount of water was pumped from Yolo Bypass West Cut Mile 17.1R (1.4W).  
c 10" unit replaces an 8" unit.  
d Portable unit used at miles indicated.

TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS  
(Miscellaneous Delta Uplands)  
October 1967 through September 1968

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
<u>MISCELLANEOUS DELTA UPLANDS</u>																
<u>Five Mile Slough</u>																
Sam Hernandez	2/6-17D	1-3									5	4	5	1	15	
Denver Henderson	2/6-8N	1-8							NO DIVERSION							
<u>Disappointment Slough</u>																
H. Moffat and Elbon Land Company	2/6-6P	1-18									26	237	96	282	835	1476
H. Moffat and Elbon Land Company	2/6-6J	1-14	28							11	214	291	318	264	260	1386
<u>Telephone Cut</u>																
E. V. Lang	3/5-26R	Gravity							NO DIVERSION							
Baldwin and Sanderson	3/5-35A	Gravity							NO DIVERSION							
Baldwin and Sanderson	3/5-25R	1-12 1-16	29	224		363	26	47	390	314	824	828	691	407	4143	
Baldwin and Sanderson	3/5-36A	1-7 1/2			5	75	17		96	121	184	183	98	131	910	
Baldwin and Sanderson	3/5-36B	1-12		14	17	46	10			26	29	68	87	34	331	
E. V. Lang	3/5-36D	Gravity							NO DIVERSION							
E. V. Lang	3/5-36C	Gravity							NO DIVERSION							
Baldwin and Sanderson	3/5-36C	1-10							2	78	58	211	85		434	
<u>White Slough</u>																
Bert Van Ruiten	3/5-25C	1-16	6	4	6	7	2	70	250	208	209	209	210	60	1241	
Bert Van Ruiten	3/5-26C	1-12		73	76	23	5			293	126	193	165	12	966	
<u>Hog Slough</u>																
Robinson Farms	4/5-28B	Gravity	73	176	154	100				95	96	108	138	132	a 1072	
Robinson Farms	4/5-28B	Gravity	24	12	4			9	11	13	16	18	15	11	133	
Thompson-Folger Company	4/5-28C	1-12 Gravity	266	148	72	14	3	1	169	358	647	308	253	126	2365	
<u>Beaver Slough</u>																
C. B. Orvis	4/5-15C	1-15	67	4			1	13	83	113	157	174	130	97	839	
C. B. Orvis	4/5-15D	1-18 Gravity	240	137		2	3	40	282	356	543	548	385	260	2796	
C. B. Orvis	4/5-16A	1-14	163		36		3	14	152	132	433	329	239	176	1677	
Canal Ranch	4/5-16B	1-16								169	190	149	111		619	
Canal Ranch	4/5-16D	1-8							NO DIVERSION							
<u>Burton Slough</u>																
Clow and Rose	5/5-28D	1-10							10	21	31	26	20	20	128	
Barnes Ranch	5/5-29D	1-5 1-10									8	17	9		34	
Clow and Rose	5/5-20K	1-8								72		97	179	99	447	
Morse Brothers	5/5-16N	1-16	174	13					299	374	431	437	390	358	2476	
Clow and Rose	5/5-15H-1	1-14	46						201	339	357	382	354	314	1993	
Morse Brothera	5/5-15H-2	1-14	67						283	458	516	547	552	430	2853	
Thomas B. Sharp	5/5-16J	1-12	18	8					52	55	83	64	76	38	394	
<u>East Dredger Cut - Snodgrass Slough</u>																
H. E. Graf	6/5-31N	1-12	74							124	256	225	184	85	948	
Alfred Kuhn	6/4-36Q	1-16							67	169	217	413	391	207	1464	
<u>Duck Slough Extension</u>																
Isabella Wineman	6/2-26B	1-14	75	1	1	1			158	20	214	164	118	142	894	
Isabella Wineman	6/2-26D	1-12	55	18					95	117	153	135	139	105	817	
Isabella Wineman	6/2-26J	1-14	214	60					240	257	299	318	326	264	1978	
<u>Hans Slough</u>																
Elmira Farms	6/2-33H	1-12	108	66	8	16			24	41	40	118	47	50	b 518	
Reclamation District 2068	6/2-34C	1-24 2-30 1-36	4580	2000	30	33		190	5940	9600	11800	11100	9600	8000	62873	
Ervin E. Vassar	6/2-34P	1-16	234	120	106	10	41	55	54	181	180	194	217	130	1522	



TABLE B-7 (Cont.)

DIVERSIONS - DELTA UPLANDS  
(Miscellaneous Delta Uplands) (contd.)  
October 1967 through September 1968

WATER USER	MILE AND BANK *	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
<u>Cache Slough</u>															
Carpenter Ranch	4/3-20B	Gravity 1-12	52	6				25	83	227	299	242	52	40	1026
Harold D. Miller	5/2-4B	1-14	270	41	16				117	261	209	194	184	108	1400
Jack Parker	5/2-4K	1-12	67	37					85	113	152	157	109	87	807
Ervin E. Vassar	5/2-4K	1-20	288	4	9				230	264	279	430	409	273	2186
<u>Calhoun Cut</u>															
Vern Schmeiser	5/2-19J	1-10													c
<u>Unsegregated</u>															
Porter Estate Company	2/3-19E	1-16	15	3					25	21	23	19	17	16	d 139
City of Lodi	3/5-23L	1-10	42							28	48	78	6		202
R. C. Coidani	3/5-14L	e 1-15				2			107	114	132	156	82		593
R. C. Coidani	3/5-23P	1-18					18	284	31	21	80	175	101	8	718
A. Patane	4/5-34B	1-18	31	26					51	127	171	186	154	41	787
A. Patane	4/5-34L	1-12	20						53	74	102	115	39	37	440
Cotta and Sousa	4/5-34Q	1-16	1	1				19	130	130	170	197	114	19	781
H. L. Sorensen	6/3-18P	1-14			6	48			92	33	65	117	132	143	636
H. L. Sorensen	6/3-20J	1-16	278	85	90	41					130	401	97	23	1145
H. L. Sorensen	6/3-19E	1-14	441	123	98	29			88	385	328	386	210	198	2286
H. L. Sorensen	6/3-19D	1-10	5	6					29	35	22	40	18	42	197
H. L. Sorensen	6/3-30D	1-14	291	22					79	414	176	223	250	151	1606
H. L. Sorensen	6/3-30L	1-16	332	115	21	39			122	329	326	347	315	255	2201
Reclamation District 2068	6/2-25P	1-12													f
Subirrigated g			51					47	59	66	85	95	81	59	543
<u>MISCELLANEOUS DELTA UPLANDS</u>															
Total			8725	3547	755	849	129	814	10250	16991	21426	21540	18126	14283	117435
Average cubic feet per second			142	60	12	14	2	13	172	276	360	350	295	240	162
<u>DELTA UPLANDS</u>															
Total			23235	6390	2446	2157	150	2802	47810	73783	76814	84025	66878	45187	431677
Average cubic feet per second			378	107	40	35	3	46	803	1200	1291	1367	1088	759	596
Monthly use in percent of seasonal			5.4	1.5	0.6	0.5	0.0	0.6	11.1	17.1	17.8	19.4	15.5	10.5	

\* Figures represent North Townships, East Ranges and Sections. Letters represent the 1/4 - 1/4 sections which are lettered from A through R excluding I and O, similar to the numbering of sections within a township.  
a Includes an undetermined amount of Woodbridge I. D. drainage water.  
b Includes an undetermined amount of spill.  
c No record, lessee refused permission to enter property.

d Includes an undetermined amount of Marsh Creek water.  
e Replaces a 14" unit.  
f Diversion in 1968 all controlled drainage water.  
g Estimated consumptive use on lands in the Delta Uplands, considered as subirrigated from tidal channels during 1968 without a specific point of diversion.

TABLE B-7 (Cont.)

DIVERSIONS - MOKELUMNE RIVER \*  
 (Woodbridge Irrigation District Dam to Camanche Dam)  
 October 1967 through September 1968

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
	***															
--WOODBIDGE IRRIGATION DISTRICT DAM--	19.9															
Woodbridge Irrigation District	19.9L	Gravity	9630						1610	12110	18190	18720	19130	18680	12500	110570
Arthur J. Hoffman	21.85R	1-10	3	1					12	160	16	12	11	12	7	234
C. H. Fillhardt	22.1R	1-6											5			5
V. P. Sperling	22.5R	1-5							NO DIVERSION							
Robert Peters	23.03R	1-2 1-3	2							2	3	2	3	2	2	16
Cecil Mumbert	23.4R	1-4								9	12	44	23			88
T. Ilie D. Sanguinetti	23.4L	1-3								5	3	2	2			12
--SOUTHERN PACIFIC RAILROAD BRIDGE--	23.6															
Mok-Loa Land Co.	24.0L	1-4								8	12	13	8			41
Mok-Loa Land Co.	24.12R	1-1/2	2							4	6	6	6	6	3	33
--HIGHWAY 99 BRIDGE--	24.2															
Marie Hallinan Estate	24.45L	1-5									3	2	1			6
Marie Hallinan Estate	24.5L	1-6							7	5	34	34	32			112
R. Vaccarezza and A. Barotti a	24.8L	1-5	7						3	10	7	13	15	10		65
Ray A. Mettler	25.2R	1-10	4							10	18	6	20	10	11	79
--CENTRAL CALIFORNIA TRACTION COMPANY BRIDGE--	25.6															
W. F. Johnson	26.3L	1-4									3	4	6	2		15
Richard Wagers	26.35L	1-2								1	1	2	2	2		8
Nakagawa Brothers	26.9R	1-5									10	7	8	17	6	48
Irene C. Green	27.5L	1-5									9	37	22	2		70
Rose Linde	27.6L	1-8										6	8			14
Alfred Joens	27.9L	1-10							148	118	87					353
Nakagawa Brothers	27.97R	1-8							NO DIVERSION							
Frankie G. Dick	28.5L	1-8							NO DIVERSION							
Frankie G. Dick b	28.59L	1-6											4	5		9
Nakagawa Brothers	28.6R	1-6	5							5	18	26	19	29	19	121
Nakagawa Brothers	28.7R	1-4									7	7	4	7		25
W. E. Mehlhaff	29.9R	1-8								2	54		20	5	3	84
Emil Bender	30.0L	1-10									8	7	10	7		32
--BRUELLA ROAD BRIDGE--	30.0															
V. W. Hoffman and Sons	30.15R	1-8		3						38	19	29	33	20	5	147
Nelson H. Davis	30.35R	1-6								4	37	8	18	15		82
J. J. Schmiedt Estate	30.95L	1-7										61	62			123
Leon Kirschenmann	31.0L	1-8								68	94	14	30	11		217
V. W. Hoffman and Sons	31.45R	1-5							NO DIVERSION							
Rosa D. Soucie	31.7L	1-5								12	5	21	19	3		60
John Craiffigna Estate	31.8R	1-7										14	38	14		66
North San Joaquin Water Conservation District	32.3L	1-16 1-18 1-14					30	41	827	1644	1725	1851	1513	742		8373
R. Craiffigna and A. Costa	32.33R	1-3 1-4									10	8		5		23
L. J. Peterson	32.5L	1-5							NO DIVERSION							
Chester M. Locke	33.25L	1-10									31	60	116	72	34	313
Acampo Vineyards	33.45R	1-8										38	15			53
Acampo Vineyards	33.6R	1-8				20	8	69	28	24	39	11				199
Neil C. Locke	33.7L	1-12								16	22	113	202	225	82	660
T. and E. Schmierer	33.8R	1-4		1						2	11	11	5	9		39
R. T. McCarty	34.0L	1-8								60	51	44	52	40	13	260
Pritam Singh Dhaliwal	34.05R	1-4								9	16					25
Norman Knoll	34.1R	1-4							4	16	8	26	19	1		74



TABLE B-7 (Cont.)

DIVERSIONS - MOKELUMNE RIVER\* (contd.)  
 (Woodbridge Irrigation District Dam to Camanche Dam)  
 October 1967 through September 1968

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE- FEET			
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.		
	***																
Norman Knoll	34.3R	1-4								7	2	19	12	1		41	
R. T. McCarty	34.34L	1-5								26	28	25	19	12		110	
--ELLIOTT ROAD BRIDGE--	34.35																
J. Hull, J. Graham and T. Hess	34.5R	1-4									8	3	5	4		20	
H. C. Russell	34.55L	1-10										9	13	21		43	
Donald Smith	34.55L	1-1 1/2	1							1	1	1	2	3		9	
Kenoeth H. Beckman	34.6R	1-5								NO DIVERSION							
H. Bava, D. Panella and Dr. Barkett	34.75L	1-16		2							44	109		71		226	
K. E. and J. Beckman	35.14R	1-16								88	20	122	66	137	93	526	
Lincoln Chan	35.15R	1-6	4							27	30	73	51	18	32	235	
Grizzly Hill Ranch	35.2L	1-8	5		1	1	1	1	1	28	31	36	50	50	20	224	
Manuel Machado	35.4L	1-8	1								13	22	63	57	9	165	
Lincoln Chan	35.5R	1-8	68						4	91	100	128	126	27		544	
R. D. Mehlhaff	35.7L	1-6								49	45	60	74	67	29	324	
I. H. Quessenberry	35.9L	1-7										2	48	45		95	
Fred P. Sievers	36.0L	1-6	29							2	14	26	17	29	16	133	
Lincoln Chan	36.2R	1-6								23	6	4	4			37	
Ossie Parker	36.45L	1-12	25							62	129	123	93	65	16	513	
J. R. Wiederrich, et al	37.15L	1-10								13		42	45	6		106	
W. L. Moffat et al	37.45R	1-8												86		86	
W. L. Moffat, et al	37.65L	1-10											16			16	
Maria Costa, et al	37.7R	1-12										17	12			29	
C. and F. Sanguinetti	38.0L	1-6	1								31	72	107	60	24	295	
C. and F. Sanguinetti	38.1L	1-8	80								167	96	186	86	23	638	
Rudolph Sutter	38.3L	1-10									82	1	43	62		188	
N. and C. Locke	38.5L	1-12											247	45		292	
Clements Estate	39.0L	1-12	380	106						331	616	546	602	454	253	3288	
H. S. Nagee Estate	39.25L	1-5	3								7	3	6	4	5	28	
--OLD CLEMENTS BRIDGE--	39.3																
L. and T. Deluca	39.59L	1-6									13					13	
Mrs. Wakeham Clark	39.6L	1-6	3							3	18	18	18	5	12	77	
J. N. Henry	39.9R	1-6									106		82	76		264	
A. Teichert Son, Inc.	40.32R	1-6								NO DIVERSION							
Bert Campbell	40.48L	1-3								5	16	18	22	26	14	128	
Robert Simmons	40.52L	1-6									12	22		62	64	22	182
H. and M. Ostermann	40.53L	1-6								20	60	60	47	29	24	240	
Charles Mehrten	40.72L	1-6									5	7		31		43	
H. and E. Mason	40.83L	1-6	15							7	10	33	23	18	25	131	
--HIGHWAY 88 BRIDGE--	41.00																
P. and N. Wright	41.14L	1-3	1					4	3				9			17	
C. Fukuhara and R. Nakashima	41.14R	1-2 1-8	4								18	12	56	43	33	166	
L. A. Rozzoni, Estate	41.40L	1-10								53	109	4	136	20	90	412	
H. F. Lesage	41.50R	1-4								NO DIVERSION							
Clarence Jones	42.11R	1-8	15	4							19	24	31	31	25	176	
Lawrence Putnam, Estate	42.24L	1-3						10	4	22	37	40	58	25	51	247	

TABLE B-7 (Cont.)

DIVERSIONS - MOKELUMNE RIVER\* (contd.)  
 (Woodbridge Irrigation District Dam to Camanche Dam)  
 October 1967 through September 1968

WATER USER	MILE AND BANK **	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT.-SEPT. ACRE-FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.	
P. W. Olivera	42.66R	1-3	7	1						4	11	14	18	17	10	82
P. M. and U. L. Thorns	42.97L	1-4	5							2	8	9	8	7	7	46
P. M. and U. L. Thorns	42.99L	1-8	7	3						6	11	13	13	14	10	77
--CAMANCHE RECORDER--MOKELUMNE RIVER BELOW CAMANCHE DAM--	43.00															
P. W. Olivera	43.15R	1-4	5	1						1	10	14	14	14	9	68
--CAMANCHE DAM--																
<b>MOKELUMNE RIVER (Woodbridge Irrigation District Dam to Camanche Dam)</b>																
Totals			10312	122	1	1	65	1840	14456	22297	22925	24393	22633	14289	133334	
Average cubic feet per second			168	2	0	0	1	30	243	363	385	397	368	240	184	
Monthly use in percent of seasonal			7.7	0.1	0.0	0.0	0.1	1.4	10.8	16.7	17.2	18.3	17.0	10.7		

\* Diversion data shown on this table are furnished by the East Bay Municipal Utility District, excepting that data for the Woodbridge Irrigation District, which was furnished by the U. S. Geological Survey. Monthly totals are computed by the Department. The Mokelumne River diversion measurement program by the East Bay Municipal Utility District was initiated January 1, 1965.

\*\* Mile and bank above New Hope Bridge.

\*\*\* Miles 0.0 to 19.8 are reported under "Diversions - Delta Oplands - Mokelumne River" pages 205 and 206.

a Formerly listed as Sam and Mary Miller.

b New installation in 1968.

c One 14" unit installed in 1968.



TABLE B-8

DELIVERIES FROM FOLSOM AND NIMBUS RESERVOIRS  
October 1967 through September 1968

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT. ACRE-FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
<u>AMERICAN RIVER</u>															
<u>Cordova Water Service and City of Folsom</u> a															
Total acre-feet			2309	2001	986	1234	1414	1349	1428	2213	1988	2065	2089	2285	21361
Average cubic feet per second			38	34	16	20	24	22	24	36	33	34	34	38	29
Monthly use in percent of seasonal			10.8	9.4	4.6	5.8	6.6	6.3	6.7	10.3	9.3	9.7	9.8	10.7	
<u>San Juan Suburban Water District</u> a															
Total acre-feet			2951	1879	1234	1078	944	1283	2847	4255	5046	5466	4800	4232	36015
Average cubic feet per second			48	32	20	18	16	21	48	69	85	89	78	71	50
Monthly use in percent of seasonal			8.2	5.2	3.4	3.0	2.6	3.6	7.9	11.8	14.0	15.2	13.3	11.8	
<u>State of California</u>															
Total acre-feet			119	127	93	87	75	98	119	129	194	202	228	189	1660
Average cubic feet per second			2	2	2	1	1	2	2	2	3	3	4	3	2
Monthly use in percent of seasonal			7.2	7.6	5.6	5.2	4.5	5.9	7.2	7.8	11.7	12.2	13.7	11.4	

TABLE B-9

IMPORTATIONS INTO NORTHEASTERN CALIFORNIA  
October 1967 through September 1968

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET											TOTAL DIVERSION OCT-SEPT. ACRE-FEET	
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.		SEPT.
<u>TRINITY RIVER</u>															
<u>Whiskeytown Lake via Clear Creek Powerplant</u> a															
Total acre-feet			154220	76000	76810	50200	48340	40020	113930	212970	212050	220620	163240	55450	1423850
Average cubic feet per second			2508	1277	1249	816	840	651	1919	3464	3564	3588	2655	932	1961
Monthly use in percent of seasonal			10.8	5.3	5.4	3.5	3.4	2.8	8.0	15.0	14.9	15.5	11.5	3.9	

a. Data furnished by U. S. Bureau of Reclamation.

TABLE B-10

EXPORTATIONS FROM NORTHEASTERN CALIFORNIA  
October 1967 through September 1968

WATER USER	MILE AND BANK	NUMBER AND SIZE OF PUMP IN INCHES	MONTHLY DIVERSION IN ACRE - FEET										TOTAL DIVERSION OCT.-SEPT. ACRE- FEET		
			OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY		AUG.	SEPT.
<u>MOKELUMNE RIVER</u>															
<u>East Bay Municipal Utility District</u> b															
Total acre-feet			6636	17011	17642	17460	15701	17782	18026	18789	18402	21437	22044	21156	212086
Average cubic feet per second			108	268	287	284	273	289	303	306	309	349	358	356	292
Monthly use in percent of seasonal			3.1	8.0	8.3	8.2	7.4	8.4	8.5	8.9	8.7	10.1	10.4	10.0	
<u>PUTAH CREEK</u>															
<u>Putah South Canal</u> a															
Total acre-feet			26651	8471	200	627	627	2553	15592	30228	31182	36422	34596	33388	220537
Average cubic feet per second			433	142	3	10	11	42	262	492	524	592	563	561	304
Monthly use in percent of seasonal			12.1	3.8	0.1	0.3	0.3	1.2	7.1	13.7	14.1	16.5	15.7	15.1	
<u>CACIE SLOUGH</u>															
<u>City of Vallejo</u> c															
Total acre-feet			927	645	478	575	352	718	1268	1456	1454	1488	1506	1367	12234
Average cubic feet per second			15	11	8	9	6	12	21	24	24	24	24	23	17
Monthly use in percent of seasonal			7.5	5.3	3.9	4.7	2.8	5.9	10.4	11.9	11.9	12.2	12.3	11.2	
<u>OLD RIVER</u>															
<u>Contra Costa Canal</u> a															
Total acre-feet			6228	5462	4869	5602	3466	3158	7752	9754	13318	13778	11925	11030	96342
Average cubic feet per second			101	92	79	91	60	51	130	159	224	224	194	185	133
Monthly use in percent of seasonal			6.5	5.7	5.1	5.8	3.6	3.3	8.0	10.1	13.8	14.3	12.4	11.4	
<u>Delta Mendota Canal</u> a															
Total acre-feet			97543	57332	26305	39247	98983	201757	224116	256062	249965	291304	239895	214024	1996533
Average cubic feet per second			1586	964	428	638	1720	3281	3766	4164	4201	4737	3901	3597	2750
Monthly use in percent of seasonal			4.9	2.9	1.3	2.0	5.0	10.1	11.2	12.8	12.5	14.6	12.0	10.7	
<u>ITALIAN SLOUGH</u>															
<u>California Aqueduct</u>															
Total Acre-feet			6588	4544	10292	26968	2724	70895	87984	79129	16911	12720	47466	108315	474536
Average cubic feet per second			107	76	167	438	47	1153	1479	1287	284	207	772	1820	654
Monthly use in percent of seasonal			1.4	1.0	2.2	5.7	0.6	14.9	18.5	16.7	3.5	2.7	10.0	22.8	

a Data furnished by U. S. Bureau of Reclamation.  
b Data furnished by East Bay Municipal Utility District.  
c Data furnished by City of Vallejo.



TABLE B-11

DAILY MEAN GAGE HEIGHT

TABLE B-11

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A21010	SACRAMENTO RIVER AT KESWICK

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	13.22	13.01	11.19	11.59	10.79	19.60	10.57	13.05	12.95	15.05	15.75	13.35	1
2	13.22	12.23	11.18	11.57	10.87	17.60	10.56	13.05	12.93	15.35	15.75	13.35	2
3	13.22	12.27	11.21	11.56	10.81	15.34	10.56	13.05	12.97	15.24	15.75	13.35	3
4	13.22	12.18	11.20	11.61	10.78	14.55	10.57	13.05	13.34	15.23	15.75	13.35	4
5	13.22	11.50	11.19	11.16	10.77	14.55	10.57	13.05	13.36	15.56	15.74	13.35	5
6	13.22	11.50	11.59	10.75	10.75	14.55	10.57	13.05	13.37	15.45	15.74	13.36	6
7	13.22	11.50	12.03	10.74	10.74	14.55	10.56	13.05	13.75	15.43	15.74	13.36	7
8	13.22	11.50	11.98	10.72	10.74	14.55	10.54	13.05	13.75	15.43	15.73	13.36	8
9	13.23	11.48	11.99	10.74	10.74	14.54	11.37	13.04	13.75	15.45	15.73	13.36	9
10	13.23	11.50	12.00	10.80	10.74	13.88	11.40	13.02	13.72	15.44	15.74	13.36	10
11	13.23	11.47	12.00	10.76	10.73	13.88	11.40	13.00	13.68	15.46	15.74	13.36	11
12	13.23	11.48	11.99	10.76	10.73	13.22	11.38	12.97	13.63	15.80	15.74	13.36	12
13	13.23	11.50	11.99	10.76	10.74	13.27	11.39	12.93	13.55	15.75	15.73	13.36	13
14	13.22	11.50	11.98	10.82	10.74	12.58	11.40	12.60	13.60	15.74	15.43	13.36	14
15	13.23	11.50	11.97	10.80	10.74	12.55	11.58	12.17	13.80	15.75	15.25	13.37	15
16	13.24	11.48	11.97	10.77	10.76	11.99	11.79	12.14	13.80	15.76	14.94	13.37	16
17	13.24	11.33	11.95	10.75	11.00	11.11	12.22	12.15	13.80	15.75	14.58	13.37	17
18	13.24	11.23	11.94	10.75	10.80	10.65	12.30	12.15	13.63	15.74	14.60	13.37	18
19	13.23	11.20	11.94	10.74	10.84	10.65	12.96	12.15	14.10	15.74	14.42	13.37	19
20	13.23	11.18	11.93	10.74	11.38	10.20	13.12	12.15	14.13	15.76	13.50	13.37	20
21	13.25	11.15	11.93	10.74	13.06	10.18	13.11	12.15	14.15	15.74	13.35	13.37	21
22	13.24	11.15	11.93	10.71	14.72	10.17	13.13	12.14	14.13	15.75	13.35	13.37	22
23	13.24	11.15	11.92	10.75	17.43	10.26	13.40	12.14	14.13	15.76	13.36	13.36	23
24	13.25	11.15	11.89	10.74	26.91	10.32	13.30	12.14	14.30	15.75	13.35	13.36	24
25	13.25	11.15	11.94	10.74	27.27	10.41	13.09	12.14	14.50	15.76	13.35	13.36	25
26	13.26	11.15	11.96	10.74	27.30	10.52	13.05	12.14	15.08	15.76	13.35	13.36	26
27	13.26	11.16	11.96	10.75	26.06	10.53	13.06	12.14	15.05	15.76	13.35	13.35	27
28	13.26	11.16	11.97	10.75	23.99	10.52	13.04	12.14	15.05	15.75	13.35	13.36	28
29	13.26	11.17	11.97	10.83	21.14	10.52	13.05	12.14	15.05	15.75	13.35	13.36	29
30	13.25	11.17	11.98	10.85		10.53	13.05	12.14	15.05	15.76	13.35	13.32	30
31	13.26		12.00	10.81		10.56		12.42		15.76	13.35		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-24-68	0600	27.46									

E - ESTIMATED  
 F - NO RECORD  
 G - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
TITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
36 05	122 26 35	NW28 32N 5W	186000 54000	47.2 27.59	2-28-40 12-27-64	OCT 38-DATE	OCT 38-DATE	1938 1939 1942	1939 1942	500.01 495.01 479.81	USCGS USCGS USCGS

Station located 0.8 mi. below Keswick Dam, 1.6 mi. below Keswick. Flow regulated by Shasta Lake. Records furnished by USGS. Drainage area, excluding Goose Lake Basin, is approximately 6,710 sq. mi.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02780	SACRAMENTO RIVER NEAR RED BLUFF

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3.50	3.60	2.84	3.08	3.94	8.37	2.87	3.57	3.33	4.39	4.74	3.48	1
2	3.54	3.19	2.80	2.96	5.70	7.70	2.92	3.58	3.38	4.45	4.75	3.49	2
3	3.68	3.08	3.78	2.95	6.16	6.35	2.80	3.58	3.39	4.49	4.75	3.48	3
4	3.60	3.09	3.83	2.92	4.60	5.43	2.74	3.59	3.51	4.47	4.75	3.48	4
5	3.59	2.83	4.65	2.85	4.05	5.36	2.72	3.60	3.65	4.60	4.76	3.48	5
6	3.58	2.70	3.42	2.65	3.80	5.28	2.69	3.60	3.72	4.65	4.73	3.48	6
7	3.57	2.72	4.35	2.55	3.70	5.22	2.60	3.58	3.81	4.59	4.72	3.50	7
8	3.56	2.73	3.80	2.57	3.56	5.19	2.59	3.58	3.82	4.58	4.76	3.51	8
9	3.57	2.73	3.44	2.68	3.47	5.10	2.73	3.57	3.80	4.57	4.73	3.51	9
10	3.57	2.73	3.31	6.59	3.43	4.85	2.89	3.57	3.79	4.58	4.72	3.51	10
11	3.57	2.73	3.29	4.10	3.40	4.66	2.89	3.56	3.74	4.58	4.75	3.49	11
12	3.57	2.73	3.26	3.18	3.29	4.48	2.88	3.57	3.71	4.67	4.75	3.49	12
13	3.55	2.74	3.22	3.15	3.30	5.29	2.86	3.60	3.67	4.75	4.75	3.49	13
14	3.52	2.86	3.17	6.77	3.25	5.30	2.84	3.61	3.62	4.75	4.64	3.50	14
15	3.52	2.87	3.17	10.67	3.20	4.97	2.85	3.37	3.72	4.74	4.52	3.52	15
16	3.52	2.76	3.19	6.48	3.34	5.54	2.99	3.20	3.75	4.74	4.40	3.50	16
17	3.51	2.74	3.19	4.75	7.46	5.28	3.08	3.16	3.75	4.73	4.25	3.49	17
18	3.51	2.73	3.20	3.81	5.92	4.05	3.17	3.15	3.61	4.72	4.20	3.48	18
19	3.52	2.74	3.21	3.42	5.48	3.65	3.39	3.16	3.92	4.73	4.22	3.51	19
20	3.52	2.78	3.18	3.23	11.21	3.37	3.62	3.23	3.94	4.72	4.05	3.51	20
21	3.53	2.72	3.17	3.12	9.31	3.17	3.69	3.28	3.95	4.72	3.90	3.50	21
22	3.54	2.71	3.15	3.09	9.35	3.09	3.67	3.26	3.92	4.71	3.71	3.50	22
23	3.55	2.71	3.16	3.04	11.11	2.99	3.70	3.26	3.94	4.71	3.63	3.43	23
24	3.55	2.71	3.16	2.98	13.60	2.95	3.80	3.22	3.92	4.71	3.61	3.38	24
25	3.56	2.70	3.17	2.93	14.85	2.92	3.66	3.19	4.09	4.72	3.60	3.36	25
26	3.56	2.71	3.21	2.92	14.33	3.02	3.59	3.18	4.30	4.73	3.61	3.36	26
27	3.56	2.72	3.25	2.88	13.98	2.91	3.58	3.12	4.38	4.72	3.60	3.36	27
28	3.56	2.72	3.27	2.84	12.06	2.86	3.58	3.08	4.38	4.73	3.57	3.37	28
29	3.55	2.80	3.26	5.08	10.07	2.82	3.56	3.06	4.38	4.72	3.51	3.41	29
30	3.55	2.86	3.24	7.34		2.82	3.58	3.01	4.40	4.72	3.49	3.40	30
31	3.59		3.23	4.66		2.82		3.00		4.72	3.49		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-24-68	2100	15.20									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 13 55	122 10 50	SE34 28N 3W	291000 170000	38.9 28.15	2-28-40 12-22-64	JAN 92-DATE	JAN 92-DATE	1902		253.18	USCGS

Station located at lower end of Iron Canyon, 0.5 mi. below Sevenmile Creek, 4.6 mi. NE of Red Bluff. Records prior to January 1902 at a site 16.2 mi. upstream. Records furnished by USGS. Drainage area, excluding Goose Lake Basin, is approximately 9,300 sq. mi.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02700	SACRAMENTO RIVER AT VINA BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	67.98	68.08	67.58	67.82	69.47	74.74	68.10	68.21	67.77	68.88	69.27	67.93	1
2	67.99	67.80	67.41	67.64	71.40	73.65	68.12	68.18	67.92	68.94	69.27	67.93	2
3	68.21	67.56	68.68	67.59	72.70	72.22	67.96	68.20	67.92	69.03	69.27	67.93	3
4	68.16	67.57	68.81	67.59	70.53	70.98	67.83	68.21	67.98	68.98	69.25	67.90	4
5	68.08	67.48	69.65	67.54	69.66	70.75	67.78	68.20	68.14	69.07	69.26	67.93	5
6	68.07	67.24	68.36	67.36	69.27	70.63	67.73	68.19	68.22	69.16	69.27	67.93	6
7	68.06	67.22	69.03	67.21	69.11	70.48	67.63	68.14	68.30	69.09	69.23	67.93	7
8	68.05	67.25	68.84	67.19	68.88	70.42	67.54	68.13	68.36	69.10	69.24	67.93	8
9	68.06	67.28	68.18	67.25	68.75	70.27	67.51	68.12	68.33	69.08	69.23	67.95	9
10	68.03	67.26	67.99	72.29	68.87	70.03	67.80	68.11	68.30	69.07	69.23	67.94	10
11	68.02	67.25	67.92	69.67	68.69	69.72	67.84	68.10	68.26	69.08	69.26	67.92	11
12	68.03	67.25	67.86	68.12	68.52	69.73	67.85	68.14	68.21	69.17	69.25	67.90	12
13	68.02	67.25	67.83	67.99	68.46	70.64	67.79	68.19	68.17	69.27	69.26	67.92	13
14	67.97	67.42	67.76	73.63	68.38	70.81	67.76	68.22	68.13	69.25	69.20	67.93	14
15	67.99	67.57	67.73	79.64	68.30	70.34	67.72	67.98	68.17	69.29	69.04	67.93	15
16	68.00	67.38	67.77	73.67	68.44	70.89	67.77	67.78	68.24	69.26	68.94	67.93	16
17	68.00	67.35	67.77	71.00	73.10	71.88	67.78	67.69	68.24	69.27	68.76	67.93	17
18	67.97	67.37	67.81	69.44	73.12	69.79	67.91	67.69	68.19	69.25	68.67	67.91	18
19	67.98	67.49	67.79	68.76	71.44	69.07	67.90	67.71	68.26	69.24	68.78	67.90	19
20	67.98	67.42	67.77	68.39	78.80	68.69	68.12	67.82	68.40	69.28	68.75	67.93	20
21	68.00	67.36	67.74	68.17	77.13	68.44	68.20	67.88	68.41	69.27	69.41	67.92	21
22	68.03	67.29	67.74	68.10	76.13	68.28	68.26	67.86	68.40	69.28	68.47	67.95	22
23	68.03	67.31	67.74	68.05	78.16	68.18	68.25	67.83	68.39	69.25	68.22	68.04	23
24	68.03	67.29	67.74	67.94	79.18	68.09	68.38	67.80	68.40	69.27	68.16	68.00	24
25	68.04	67.28	67.77	67.88	81.32	68.08	68.27	67.76	68.49	69.26	68.13	67.96	25
26	68.05	67.28	67.82	67.80	80.72	68.19	68.19	67.72	68.67	69.25	68.12	67.90	26
27	68.04	67.29	67.90	67.75	80.34	68.09	68.18	67.68	68.88	69.26	68.11	67.91	27
28	68.03	67.31	67.98	67.68	78.57	68.01	68.18	67.61	68.85	69.25	68.07	67.85	28
29	68.02	67.37	67.97	70.93	76.70	67.97	68.19	67.60	68.84	69.26	68.00	67.84	29
30	68.00	67.52	67.93	75.60		67.99	68.19	67.56	68.86	69.27	67.99	67.93	30
31	68.05		67.88	70.77		68.01		67.54		69.27	67.94		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-15-68	0500	81.29	2-18-68	0100	75.98	2-25-68	0645	81.59			
1-30-68	0200	78.18	2-20-68	1500	80.85						

- ESTIMATED  
R - NO RECORD  
F - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 54 34	122 05 31	NE28 24N 2W	14700	89.42	2-25-58	APR 45-DATE	APR 45-DATE	1945		100.00	USED
			163000 E	90.97	12-23-64			1945		97.15	USCGS

Station located 250 ft. above Vina-Corning Highway bridge, 2.6 mi. SW of Vina.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02630	SACRAMENTO RIVER AT HAMILTON CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	29.19	29.14	28.90	29.11	30.76	35.15	29.15	28.68	28.19	29.18	29.62	28.55	1
2	29.20	29.01	28.77	28.95	31.74	34.19	29.21	28.67	28.39	29.20	29.63	28.54	2
3	29.35	28.70	29.54	28.90	33.35	33.05	29.06	28.67	28.40	29.32	29.64	28.57	3
4	29.36	28.70	30.10	28.87	31.66	31.99	28.87	28.69	28.40	29.28	29.65	28.59	4
5	29.25	28.66	30.50	28.87	30.81	31.64	28.76	28.72	28.56	29.31	29.65	28.61	5
6	29.24	28.42	29.83	28.72	30.42	31.52	28.69	28.74	28.65	29.44	29.66	28.66	6
7	29.20	28.39	29.87	28.56	30.24	31.39	28.56	28.74	28.73	29.39	29.63	28.70	7
8	29.16	28.40	30.25	28.53	30.06	31.36	28.41	28.72	28.83	29.37	29.64	28.73	8
9	29.15	28.42	29.53	28.57	29.92	31.25	28.24	28.74	28.80	29.36	29.64	28.76	9
10	29.14	28.40	29.31	32.17	30.00	31.10	28.47	28.74	28.78	29.35	29.64	28.80	10
11	29.14	28.41	29.22	31.78	29.88	30.80	28.50	28.74	28.72	29.37	29.66	28.82	11
12	29.12	28.42	29.16	29.65	29.74	30.82	28.50	28.81	28.69	29.38	29.70	28.86	12
13	29.12	28.41	29.13	29.23	29.65	31.38	28.43	28.84	28.63	29.54	29.71	28.89	13
14	29.09	28.52	29.08	31.39	29.62	31.73	28.34	28.95	28.60	29.51	29.70	28.90	14
15	29.08	28.66	29.04	39.45	29.53	31.35	28.30	28.76	28.56	29.54	29.56	28.93	15
16	29.10	28.60	29.06	35.33	29.55	31.40	28.30	28.49	28.66	29.51	29.45	28.92	16
17	29.08	28.53	29.07	32.07	32.98	32.90	28.32	28.39	28.65	29.52	29.29	28.89	17
18	29.07	28.53	29.07	30.66	34.30	31.08	28.44	28.35	28.61	29.53	29.16	28.91	18
19	29.07	28.64	29.09	30.01	32.13	30.36	28.39	28.37	28.62	29.51	29.22	28.91	19
20	29.07	28.61	29.06	29.66	37.78	30.01	28.61	28.45	28.79	29.58	29.34	28.94	20
21	29.07	28.57	29.04	29.45	37.39	29.74	28.67	28.49	28.79	29.56	29.84	28.96	21
22	29.11	28.50	29.03	29.36	36.30	29.60	28.76	28.47	28.79	29.58	29.26	28.99	22
23	29.12	28.50	29.03	29.29	37.50	29.49	28.75	28.44	28.77	29.57	28.93	29.06	23
24	29.12	28.51	29.03	29.22	38.29	29.40	28.84	28.41	28.77	29.57	28.83	29.02	24
25	29.13	28.50	29.04	29.15	40.24	29.36	28.80	28.38	28.83	29.57	28.81	29.00	25
26	29.15	28.50	29.09	29.08	40.08	29.42	28.70	28.32	28.95	29.58	28.80	28.93	26
27	29.15	28.50	29.15	29.02	39.69	29.28	28.69	28.29	29.17	29.61	28.81	28.95	27
28	29.14	28.52	29.23	28.98	38.54	29.13	28.70	28.21	29.16	29.59	28.74	28.94	28
29	29.12	28.63	29.23	30.64	36.94	29.09	28.67	28.13	29.17	29.62	28.67	28.86	29
30	29.11	28.81	29.19	36.53		29.06	28.65	28.09	29.19	29.60	28.62	28.97	30
31	29.14		29.15	32.09		29.11		28.06		29.61	28.56		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-15-68	1345	40.40									
2-25-68	1600	40.56									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 45 07	121 59 43	NE20 22N 1W	350000 151000	22.6 49.64	2-28-40 12-23-64	APR 45-DATE	1927-DATE	1927 1945 1945	1945	127.9 100.0 96.5	USED USED USCGS

Station located at Gianella Bridge, State Highway 32, 1.0 mi. NE of Hamilton City.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02570	SACRAMENTO RIVER AT ORD FERRY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	47.42	47.33	47.10	47.28	49.79	55.35	47.56	46.86	46.27	47.32	47.75	46.65	1
2	47.41	47.26	46.97	47.13	50.30	54.14	47.67	46.86	46.49	47.32	47.77	46.64	2
3	47.52	46.98	47.53	47.07	52.91	52.94	47.55	46.85	46.55	47.45	47.78	46.66	3
4	47.58	46.95	48.54	47.04	51.03	51.62	47.35	46.87	46.52	47.43	47.79	46.68	4
5	47.48	46.94	48.58	47.03	49.76	50.95	47.22	46.90	46.64	47.42	47.79	46.70	5
6	47.45	46.74	48.36	46.92	49.19	50.74	47.14	46.91	46.75	47.57	47.81	46.75	6
7	47.42	46.68	47.91	46.78	48.93	50.50	47.04	46.94	46.83	47.53	47.78	46.78	7
8	47.38	46.66	48.75	46.74	48.72	50.36	46.90	46.90	46.94	47.51	47.77	46.82	8
9	47.36	46.66	47.86	46.75	48.51	50.24	46.70	46.90	46.93	47.50	47.79	46.85	9
10	47.36	46.64	47.55	50.23	48.58	50.07	46.78	46.90	46.92	47.48	47.77	46.87	10
11	47.36	46.64	47.44	51.57	48.48	49.70	46.87	46.90	46.85	47.50	47.79	46.89	11
12	47.32	46.65	47.35	48.25	48.28	49.63	46.84	46.94	46.83	47.51	47.83	46.95	12
13	47.33	46.64	47.31	47.58	48.15	50.16	46.80	46.96	46.78	47.67	47.84	46.98	13
14	47.29	46.70	47.25	49.16	48.11	50.87	46.71	47.11	46.70	47.67	47.83	47.00	14
15	47.28	46.83	47.20	58.28	48.00	50.44	46.64	46.99	46.66	47.68	47.73	47.03	15
16	47.30	46.81	47.22	56.44	47.94	50.47	46.60	46.74	46.76	47.66	47.60	47.02	16
17	47.28	46.73	47.23	51.64	51.37	52.60	46.59	46.62	46.78	47.67	47.45	47.00	17
18	47.28	46.73	47.22	49.63	54.66	50.41	46.66	46.55	46.73	47.67	47.30	47.03	18
19	47.26	46.80	47.24	48.68	51.61	49.33	46.65	46.55	46.69	47.65	47.30	47.00	19
20	47.27	46.80	47.23	48.17	56.94	48.83	46.78	46.61	46.90	47.70	47.48	47.03	20
21	47.27	46.76	47.20	47.89	59.12	48.50	46.88	46.66	46.90	47.72	47.87	47.06	21
22	47.30	46.71	47.19	47.74	58.12	48.30	46.97	46.66	46.88	47.72	47.59	47.09	22
23	47.32	46.69	47.19	47.64	58.40	48.12	46.97	46.62	46.89	47.71	47.08	47.16	23
24	47.31	46.70	47.18	47.55	59.38	48.00	47.02	46.59	46.89	47.70	46.96	47.16	24
25	47.31	46.69	47.19	47.48	60.86	47.90	47.01	46.55	46.93	47.71	46.91	47.12	25
26	47.34	46.69	47.23	47.40	60.81	47.88	46.92	46.50	47.02	47.70	46.90	47.05	26
27	47.34	46.68	47.30	47.34	59.90	47.81	46.90	46.46	47.28	47.74	46.92	47.05	27
28	47.32	46.70	47.38	47.27	59.06	47.61	46.91	46.40	47.30	47.72	46.84	47.05	28
29	47.30	46.78	47.39	48.86	57.33	47.54	46.88	46.33	47.29	47.75	46.78	46.95	29
30	47.30	46.95	47.36	56.72	47.50	47.50	46.85	46.28	47.33	47.74	46.72	47.07	30
31	47.31		47.31	52.22	47.55	47.55		46.23		47.74	46.66		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-15-68	1845	60.02									
2-25-68	2300	61.41									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 37 39	121 59 28	SE32 2LN 1W	370000 126000 E	121.7 68.9	2-28-40 12-23-64	JAN 48-DATE	21-MAY 27 # FEB 37-MAY 37 OCT 37-MAY 39 NOV 39-MAY 41 # NOV 41-DATE	1937	1960	0.00 50.00	USED

Station located 0.1 mi. below Ord Ferry.  
# - Flood season only.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02500	SACRAMENTO RIVER AT BUTTE CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	72.03	71.95	71.60	72.01	75.82	88.90	72.59	71.55	70.68	72.18	72.72	71.33	1
2	72.08	71.92	71.52	71.84	75.31	88.90	72.72	71.56	71.03	72.16	72.72	71.30	2
3	72.12	71.48	71.74	71.71	78.49	87.19	72.53	71.56	71.13	72.29	72.73	71.32	3
4	72.31	71.36	73.63	71.68	77.38	78.14	72.27	71.59	71.09	72.32	72.74	71.34	4
5	72.19	71.36	73.26	71.65	75.56	77.13	72.07	71.63	71.22	72.29	72.75	71.37	5
6	72.10	71.10	73.76	71.53	74.76	76.74	71.93	71.67	71.39	72.43	72.79	71.47	6
7	72.06	70.97	72.60	71.30	74.39	76.42	71.78	71.70	71.55	72.44	72.74	71.51	7
8	72.02	70.93	73.87	71.21	74.16	76.21	71.55	71.66	71.67	72.42	72.74	71.56	8
9	71.98	70.96	72.86	71.21	73.88	76.03	71.27	71.65	71.68	72.40	72.76	71.60	9
10	71.98	70.92	72.39	73.50	73.88	75.80	71.34	71.67	71.68	72.37	72.74	71.63	10
11	71.99	70.94	72.23	77.89	73.83	75.40	71.48	71.67	71.61	72.38	72.75	71.68	11
12	71.91	70.95	72.11	73.75	73.57	75.24	71.45	71.72	71.57	72.39	72.80	71.74	12
13	71.93	70.95	72.03	72.61	73.38	75.52	71.40	71.75	71.50	72.52	72.83	71.80	13
14	71.88	71.01	71.97	73.31	73.30	76.40	71.24	71.94	71.40	72.57	72.82	71.82	14
15	71.85	71.24	71.89	82.36	73.16	76.18	71.15	71.85	71.33	72.58	72.74	71.86	15
16	71.90	71.26	71.90	85.66	73.04	75.92	71.09	71.50	71.43	72.59	72.57	71.85	16
17	71.87	71.11	71.92	79.12	75.41	78.01	71.10	71.27	71.46	72.59	72.39	71.83	17
18	71.87	71.11	71.90	75.71	81.15	76.59	71.18	71.17	71.40	72.60	72.21	71.89	18
19	71.84	71.18	71.91	74.30	78.02	75.09	71.19	71.16	71.31	72.57	72.13	71.80	19
20	71.84	71.23	71.92	73.60	81.52	74.41	71.34	71.24	71.59	72.60	72.37	71.85	20
21	71.85	71.17	71.89	73.17	87.07	73.97	71.51	71.32	71.63	72.66	72.53	71.90	21
22	71.88	71.08	71.87	72.90	86.78	73.70	71.66	71.30	71.61	72.64	72.92	71.93	22
23	71.91	71.05	71.85	72.76	86.21	73.46	71.67	71.26	71.60	72.64	72.03	72.00	23
24	71.92	71.04	71.85	72.61	87.51	73.29	71.73	71.22	71.60	72.62	71.82	72.06	24
25	71.92	71.04	71.86	72.48	88.62	73.17	71.77	71.15	71.61	72.65	71.73	71.98	25
26	71.95	71.03	71.91	72.36	89.24	73.21	71.65	71.11	71.74	72.64	71.71	71.92	26
27	71.96	71.02	72.00	72.26	88.90	73.14	71.60	71.05	72.03	72.69	71.71	71.89	27
28	71.94	71.03	72.11	72.14	88.90	72.90	71.61	70.95	72.12	72.69	71.63	71.91	28
29	71.92	71.14	72.14	73.01	88.90	72.89	71.58	70.84	72.12	72.71	71.54	71.80	29
30	71.90	71.37	72.12	82.01		72.70	71.52	70.75	72.14	72.70	71.45	71.90	30
31	71.90		72.07	80.36		72.59		70.68		72.70	71.37		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-11-68	0445	79.41	1-16-68	0415	86.96	1-31-68	0015	84.23	2-26-68	1030	89.34

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 27 35	121 59 35	NE32 19N 1W	170000 126000	96.87 94.9	2- 7-42 12-24-64	JUL 19-OCT 38 8 JAN 39-DATE	JUL 19-OCT 28 8 APR 29-DATE	1921		0.00	USED

Station located at highway bridge, 0.5 mi. S of Butte City. Maximum discharge of record listed is for period 1940 to date. Records furnished by USGS.

8 - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02445	SACRAMENTO RIVER AT MOULTON WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-26-68	1300	78.36									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 20 18	122 01 18	SEL2 17N 2W		83.8 82.14	2-7-42 1-7-65	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located west of south end of weir, 4.6 mi. S of Princeton. Gage heights below weir crest (elevation 76.75 ft.) are not tabulated.

A - Mean gage height for period of flow.  
# - Flood season only.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02450	SACRAMENTO RIVER OPPOSITE MOULTON WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	59.10	58.84	58.43	58.87	64.89	73.75	59.41	57.94	57.00	58.62	59.33	57.80	1
2	58.99	58.83	58.40	58.71	62.71	71.18	59.53	57.96	57.34	58.61	59.33	57.76	2
3	59.06	58.39	58.49	58.54	66.40	69.38	59.41	57.94	57.48	58.73	59.35	57.78	3
4	59.27	58.21	60.65	58.51	66.56	67.21	59.09	57.97	57.44	58.79	59.38	57.80	4
5	59.16	58.21	60.25	58.47	63.78	65.41	58.81	58.02	57.56	58.76	59.39	57.85	5
6	59.05	57.98	61.12	58.37	62.38	64.78	58.62	58.06	57.76	58.90	59.43	57.95	6
7	58.99	57.79	59.59	58.13	61.75	64.28	58.46	58.10	57.97	58.95	59.39	58.02	7
8	58.96	57.74	60.96	58.00	61.43	63.77	58.21	58.08	58.07	58.91	59.38	58.08	8
9	58.92	57.76	60.03	58.00	61.07	63.35	57.90	58.07	58.12	58.91	59.39	58.14	9
10	58.91	57.72	59.36	59.69	60.96	62.79	57.87	58.10	58.10	58.88	59.36	58.17	10
11	58.91	57.73	59.14	66.51	60.96	61.87	58.03	58.12	58.05	58.89	59.38	58.24	11
12	58.83	57.73	59.00	61.85	60.68	61.26	58.00	58.18	57.99	58.92	59.44	58.30	12
13	58.83	57.74	58.90	59.67	60.44	61.69	57.95	58.23	57.90	59.07	59.48	58.36	13
14	58.78	57.78	58.83	59.99	60.34	64.12	57.78	58.41	57.80	59.16	59.48	58.40	14
15	58.74	58.02	58.73	68.99	60.17	64.13	57.66	58.36	57.71	59.16	59.39	58.46	15
16	58.79	58.08	58.72	75.04	60.05	63.15	57.59	57.98	57.80	59.16	59.21	58.45	16
17	58.76	57.91	58.74	69.87	61.96	67.57	57.58	57.70	57.85	59.15	59.02	58.43	17
18	58.77	57.91	58.74	64.60	69.27	66.48	57.60	57.58	57.79	59.17	58.80	58.49	18
19	58.75	57.97	58.76	61.90	67.93	62.47	57.65	57.55	57.66	59.13	58.69	58.40	19
20	58.74	58.05	58.76	60.79	69.13	61.89	57.75	57.61	57.95	59.16	58.97	58.46	20
21	58.75	57.98	58.72	60.25	75.67	61.28	57.96	57.72	58.01	59.25	59.06	58.52	21
22	58.78	57.89	58.69	59.90	76.26	60.85	58.13	57.72	58.00	59.23	59.71	58.55	22
23	58.81	57.85	58.68	59.71	75.62	60.56	58.15	57.68	57.97	59.23	58.65	58.63	23
24	58.81	57.84	58.68	59.54	76.63	60.33	58.18	57.62	57.95	59.21	58.38	58.70	24
25	58.81 *	57.84	58.68	59.39	77.54	60.18	58.26	57.55	57.95	59.24	58.28	58.61	25
26	58.85	57.84	58.73	59.24	78.42	60.11	58.10	57.50	58.09	59.23	58.25	58.57	26
27	58.86	57.83	58.81	59.12	78.01	60.07	58.02	57.45	58.39	59.27	58.24	58.51	27
28	58.85	57.83	58.94	58.99	77.49	59.73	58.05	57.32	58.54	59.30	58.15	58.54	28
29	58.82	57.93	58.99	59.50	76.16	59.55	58.00	57.21	58.56	59.31	58.05	58.43	29
30	58.79	58.18	58.97	68.74		59.43	57.93	57.11	58.58	59.31	57.94	58.52	30
31	58.78		58.93	70.88		59.44		57.03		59.31	57.85		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E -- ESTIMATED  
NR -- NO RECORD  
NF -- NO FLOW.

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-16-68	1130	75.69	3-1-68	0015	75.19						
2-26-68	1030	78.55									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 20 13	122 01 50	SW12 17N 2W		85.5 83.0	2-7-42 12-24-64	MAR 54-DATE 8	OCT 22-MAY 40 # JUL 40-JUL 41 NOV 41-JUL 43 # OCT 43-DATE			0.00	USED

Station located immediately W of weir, 4.8 mi. S of Princeton.

8 - Irrigation season only.  
# - Flood season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02430	SACRAMENTO RIVER AT COLUSA WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1						64.13							1
2						63.00							2
3						62.19 A							3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15				62.99 A									15
16				64.64									16
17				63.14 A									17
18					62.21 A								18
19					62.16 A								19
20					62.81 A								20
21						64.71							21
22						65.16							22
23						64.82							23
24						65.20							24
25						65.60							25
26						66.06							26
27						65.90							27
28						65.63							28
29						65.09							29
30				62.76 A									30
31				63.13 A									31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
E - ESTIMATED	1-16-68	1330	64.94	2-19-68	0015	62.36						
NR - NO RECORD	1-31-68	0600	63.72	2-26-68	1400	66.12						

NF - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 14 12	121 59 38	SE17 16N 1W		70.6 68.06	3-1-40 1-7-65	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located at north end of weir, 2.0 mi. N of Colusa. Gage heights below weir crest (elevation 61.80 ft.) are not tabulated.

A - Mean gage height for period of flow.  
# - Flood season only.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02420	SACRAMENTO RIVER AT COLUSA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	45.12	44.62	43.84	44.73	56.25	62.46	45.92	43.16	42.46	44.32	45.65	43.29	1
2	44.86	44.66	44.06	44.57	51.81	61.29	46.02	43.20	42.46	44.31	45.68	43.19	2
3	44.90	44.15	43.87	44.22	54.54	60.24	45.98	43.20	42.45	44.40	45.71	43.18	3
4	45.24	43.65	46.59	44.12	56.90	58.14	45.53	43.23	42.45	44.62	45.77	43.21	4
5	45.18	43.60	47.12	44.06	53.79	55.51	45.05	43.30	42.47	44.58	45.81	43.28	5
6	45.00	43.40	NR	43.97	51.14	54.22	44.71	43.38	42.66	44.70	45.84	43.44	6
7	44.88	42.97	NR	43.62	49.90	53.39	44.46	43.44	43.11	44.91	45.85	43.55	7
8	44.83	42.85	NR	43.33	49.29	52.85	44.07	43.51	43.32	44.84	45.82	43.69	8
9	44.76	42.85	NR	43.31	48.71	52.48	43.60	43.47	43.56	44.88	45.79	43.80	9
10	44.76	42.85	NR	44.24	48.34	52.07	43.36	43.56	43.59	44.84	45.76	43.89	10
11	44.74	42.83	NR	54.26	48.41	51.48	43.61	43.61	43.60	44.83	45.74	44.02	11
12	44.65	42.83	NR	51.85	48.01	50.81	43.57	43.72	43.60	44.84	45.81	44.12	12
13	44.61	42.84	NR	47.15	47.61	50.86	43.52	43.84	43.52	44.99	45.86	44.26	13
14	44.56	42.87	NR	46.21	47.35	52.45	43.25	44.02	43.35	45.24	45.91	44.34	14
15	44.46	43.17	NR	54.75	47.12	53.17	43.05	44.19	43.18	45.26	45.86	44.48	15
16	44.51	43.40	NR	62.74	46.90	52.50	42.92	43.72	43.04	45.32	45.61	44.49	16
17	44.50	43.21	NR	60.86	48.05	54.32	42.84	43.17	43.04	45.26	45.36	44.47	17
18	44.50	43.12	NR	55.75	57.21	55.90	42.76	42.93	43.04	45.31	45.01	44.41	18
19	44.48	43.17	44.53	51.30	59.19	52.52	42.89	42.84	43.00	45.28	44.73	44.38	19
20	44.48	43.39	44.52	48.95	58.21	50.20	42.88	42.88	42.99	45.29	45.04	44.39	20
21	44.48	43.29	44.47	47.70	62.87	49.07	43.27	43.00	43.19	45.43	45.18	44.46	21
22	44.51	43.16	44.43	46.95	63.46	48.30	43.48	43.04	43.25	45.43	46.47	44.50	22
23	44.59	43.04	44.41	46.52	63.13	47.81	43.57	43.01	43.25	45.46	45.16	44.56	23
24	44.61	43.04	44.41	46.20	63.48	47.46	43.52	42.84	43.23	45.43	44.43	44.66	24
25	44.62	43.02	44.42	45.89	63.91	47.17	43.71	42.73	43.21	45.49	44.20	44.56	25
26	44.66	42.99	44.49	45.63	64.40	47.01	43.51	42.67	43.39	45.48	44.11	44.52	26
27	44.68	42.98	44.59	45.40	64.27	46.99	43.36	42.62	43.75	45.52	44.07	44.40	27
28	44.68	42.98	44.78	45.17	63.98	46.56	43.37	42.50	44.17	45.62	43.96	44.43	28
29	44.64	43.07	44.91	45.25	63.44	46.18	43.31	42.46	44.26	45.62	43.78	44.34	29
30	44.59	43.41	44.90	54.59		46.00	43.22	42.46	44.25	45.63	43.55	44.30	30
31	44.54		44.83	61.18		45.94		42.46		45.64	43.40		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E -- ESTIMATED  
NR -- NO RECORD  
NF -- NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-28-68	0100	64.09									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 12 50	121 59 55	NW29 16N 1W	49000	69.20 67.07	2-8-42 1-7-65	APR 20-OCT 38 8	APR 19-DATE	1921 1921		0.00 -3.0	USED USCGS

Station located just below highway bridge at Colusa. Maximum discharge of record listed is for period 1938 to date. Records furnished by USGS.

8 - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02984	CHEROKEE CANAL NEAR RICHVALE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.14	2.39	3.22	2.95	4.28	3.32	3.12	3.80	3.66	3.51	3.73	2.76	1
2	2.14	2.41	3.13	2.94	5.81	3.24	3.17	3.74	3.64	3.54	3.71	2.88	2
3	2.12	2.39	3.34	2.98	5.06	3.18	3.18	3.68	3.72	3.60	3.72	3.16	3
4	2.09	2.47	4.52	2.93	4.18	3.14	3.08	3.64	3.53	3.45	3.74	3.20	4
5	2.09	2.38	3.97	2.93	3.83	3.10	3.05	3.67	3.32	3.47	3.67	3.43	5
6	2.23	2.44	3.49	2.93	3.64	3.06	3.01	3.66	3.30	3.55	3.58	3.49	6
7	2.30	2.42	3.48	2.93	3.52	3.05	2.98	3.69	3.69	3.52	3.49	3.28	7
8	2.34	2.34	3.49	2.94	3.42	3.46	2.97	3.70	3.61	3.45	3.27	3.14	8
9	2.33	2.28	3.26	3.00	3.35	3.35	2.94	3.71	3.56	3.42	3.22	3.19	9
10	2.41	2.38	3.16	5.93	3.50	3.28	2.94	3.69	3.40	3.33	3.43	3.34	10
11	2.45	2.38	3.11	4.47	3.43	3.21	2.91	3.67	3.39	3.30	3.53	3.31	11
12	2.39	2.40	3.03	3.64	3.27	3.20	2.85	3.96	3.64	3.40	3.52	3.30	12
13	2.38	2.44	2.99	3.45	3.25	7.54	2.89	3.75	3.59	3.42	3.46	3.20	13
14	2.35	2.51	2.98	4.24	3.21	5.64	3.07	3.71	3.50	3.44	3.40	3.05	14
15	2.32	2.56	2.97	7.64	3.12	4.40	3.13	3.67	3.43	3.45	3.39	3.05	15
16	2.31	2.61	2.91	4.95	3.15	6.06	3.60	3.54	3.49	3.44	3.37	2.96	16
17	2.26	2.56	2.96	4.22	5.70	5.57	3.71	3.44	3.50	3.47	3.41	2.61	17
18	2.19	2.51	3.04	3.81	5.14	4.44	4.01	3.37	3.41	3.50	3.52	2.46	18
19	2.18	2.58	3.04	3.61	5.33	3.94	4.14	3.42	3.37	3.58	3.56	2.59	19
20	2.19	2.80	2.98	3.51	7.86	3.78	4.01	3.78	3.32	3.63	3.62	2.48	20
21	2.26	2.75	2.96	3.44	6.76	3.64	4.15	3.78	3.32	3.59	3.76	2.28	21
22	2.25	2.71	2.95	3.40	5.41	3.55	4.17	3.77	3.50	3.54	3.79	2.18	22
23	2.27	2.69	2.95	3.33	4.69	3.49	4.17	3.92	3.53	3.53	3.73	2.11	23
24	2.26	2.67	2.95	3.28	4.25	3.46	4.13	3.98	3.45	3.54	3.67	2.11	24
25	2.23	2.68	2.94	3.25	3.96	3.45	4.13	3.96	3.32	3.58	3.78	2.09	25
26	2.25	2.68	2.94	3.22	3.76	3.41	4.04	3.89	3.41	3.59	3.71	2.06	26
27	2.34	2.71	2.94	3.19	3.57	3.30	3.73	3.69	3.39	3.64	3.55	2.11	27
28	2.38	2.79	2.94	3.19	3.44	3.25	3.47	3.63	3.39	3.70	3.24	2.21	28
29	2.33	2.93	2.92	4.39	3.37	3.28	3.85	3.47	3.52	3.66	3.14	2.18	29
30	2.40	3.59	2.92	8.40	3.23	3.23	4.25	3.33	3.65	3.70	3.03	1.98	30
31	2.37		2.97	5.60		3.13		3.56		3.70	2.87		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-30-68	0530	9.85	3-16-68	1415	8.43						
2-20-68	0215	9.90									

- ESTIMATED  
- NO RECORD  
- NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 27 53	121 44 37	NW34 19N 2E	15200 E 7260	13.80 11.26	10-13-62 1- 6-65	JUL 60-DATE	JUL 60-DATE	1960		88.20	USCGS

Station located at Butte City Road Bridge, 2.1 mi. S of Richvale. Backwater from Cherokee Dam weir, 1.05 mi. below station, at times affects the stage-discharge relationship. Weir has 13 bays and is operated by the Richvale Irrigation District.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02967	BUTTE SLOUGH AT OUTFALL GATES

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	42.11	41.61	41.07	41.89	NR	NR	43.93	42.44	41.95	42.20	42.88	40.71	1
2	41.95	41.64	41.40	41.75	49.41	NR	43.85	42.60	41.91	42.15	42.90	40.62	2
3	41.68	41.24	41.19	41.41	49.58	NR	43.78	42.65	42.09	42.03	42.95	40.60	3
4	41.89	40.69	NR	41.29	49.69	NR	43.37	42.79	42.23	42.43	43.07	40.57	4
5	42.07	40.62	NR	41.24	49.67	NR	42.81	42.81	42.32	42.54	43.13	40.63	5
6	41.96	40.47	NR	41.20	49.16	NR	42.34	42.76	42.75	42.60	43.13	40.84	6
7	41.85	40.04	NR	40.93	48.31	NR	42.00	42.49	43.01	42.72	43.13	40.97	7
8	41.77	39.90	44.26	40.77	47.72	NR	41.60	42.43	42.39	42.42	43.08	41.18	8
9	41.73	39.88	44.61	40.87	47.16	48.94	41.11	42.68	42.78	42.05	43.03	41.44	9
10	41.74	39.92	43.37	41.67	46.68	48.58	41.09	42.49	43.07	41.99	42.87	41.66	10
11	41.67	39.88	42.73	46.25	46.52	48.29	41.80	42.39	42.86	41.85	42.77	41.91	11
12	41.59	39.87	42.43	47.32	46.17	48.07	41.86	42.65	42.32	42.00	42.81	42.17	12
13	41.53	39.89	42.20	45.45	45.79	48.12	42.08	42.27	41.91	42.47	42.87	42.42	13
14	41.48	39.92	42.01	44.07	45.46	48.37	42.26	44.53	41.74	42.75	42.95	42.68	14
15	41.36	40.20	41.80	NR	45.18	48.60	41.91	42.96	41.91	42.55	43.03	43.00	15
16	41.38	40.48	41.72	NR	44.92	48.73	41.30	42.79	42.28	42.33	43.01	43.04	16
17	41.39	40.35	41.74	NR	45.46	48.87	40.97	42.42	42.26	42.33	42.89	42.87	17
18	41.39	40.24	41.72	NR	47.61	49.08	41.40	42.22	41.95	42.43	42.64	42.41	18
19	41.43	40.26	41.75	NR	48.26	49.11	42.43	42.13	41.73	42.47	42.40	42.18	19
20	41.44	40.47	41.74	NR	NR	48.37	42.53	42.05	42.14	42.52	42.67	42.06	20
21	41.46	40.41	41.69	NR	NR	47.67	42.17	42.17	42.42	42.71	43.08	42.03	21
22	41.48	40.31	41.64	NR	NR	47.14	41.95	42.24	42.11	42.78	44.29	41.94	22
23	41.59	40.17	41.60	46.67	NR	46.70	41.86	42.09	41.99	42.65	43.66	41.78	23
24	41.64	40.20	41.57	46.03	NR	46.32	41.91	42.32	42.11	42.44	42.99	41.59	24
25	41.67	40.19	41.57	45.46	NR	45.94	42.11	42.36	42.03	42.55	42.71	41.44	25
26	41.68	40.16	41.60	45.00	NR	45.63	42.51	42.44	41.86	42.54	42.56	41.43	26
27	41.71	40.15	41.67	44.62	NR	45.44	42.69	42.73	41.70	42.58	42.34	41.36	27
28	41.70	40.18	41.83	44.25	NR	44.95	42.50	42.50	41.90	42.70	42.06	41.39	28
29	41.66	40.27	41.99	44.17	NR	44.54	42.22	42.26	42.39	42.73	41.74	41.35	29
30	41.66	40.60	42.01	NR	NR	44.32	42.23	42.24	42.34	42.79	41.32	41.25	30
31	41.57		41.97	NR	NR	44.10		42.08		42.85	40.94		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E -- ESTIMATED  
NR -- NO RECORD  
NF -- NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 11 44	121 56 04	NE35 16N 1W				JUN 24-OCT 38 8 JAN 39-DATE	JUN 24-DATE			0.00	USED

Station located 4.0 mi. E of Colusa, 3.7 mi. N of Meridian. Tributary to Sacramento River. Flow regulated by gravity culverts.

8 - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02380	SACRAMENTO RIVER AT MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	40.15	39.20	38.32	39.39	52.21	57.11	41.38	37.61	36.08	38.56	40.06	37.54	1
2	40.04	39.19	38.73	39.26	47.80	56.14	41.32	37.65	36.40	38.55	40.08	37.45	2
3	39.92	39.17	38.72	38.91	49.24	55.29	41.29	37.65	36.82	38.60	40.11	37.43	3
4	39.86	39.02	40.58	38.76	52.20	53.63	41.20	37.68	36.81	38.85	40.21	37.45	4
5	39.85	38.86	41.82	38.70	49.71	51.37	41.03	37.74	36.82	38.83	40.26	37.49	5
6	39.83	38.72	42.85	38.63	46.88	49.95	40.83	37.87	37.16	38.93	40.28	37.66	6
7	39.78	38.53	41.79	38.33	45.44	48.98	40.58	38.02	37.70	39.16	40.29	37.79	7
8	39.72	38.33	41.84	38.03	44.73	48.35	40.32	38.21	38.09	39.15	40.25	37.93	8
9	39.66	38.14	42.31	38.00	44.12	47.93	40.04	38.21	38.34	39.20	40.20	38.07	9
10	39.60	38.00	40.89	38.55	43.65	47.48	39.71	38.29	38.35	39.16	40.15	38.20	10
11	39.56	37.87	40.15	47.65	43.66	46.91	39.43	38.41	38.27	39.15	40.07	38.34	11
12	39.51	37.77	39.82	47.68	43.30	46.19	39.24	38.54	38.09	39.11	40.11	38.49	12
13	39.45	37.69	39.59	42.84	42.88	46.17	39.10	38.71	37.91	39.21	40.17	38.69	13
14	39.39	37.63	39.42	41.17	42.58	47.61	38.93	38.85	37.67	39.52	40.22	38.77	14
15	39.32	37.61	39.26	47.84	42.33	48.55	38.71	39.11	37.43	39.57	40.22	38.95	15
16	39.24	37.82	39.16	56.68	42.09	48.00	38.51	38.76	37.33	39.63	39.99	38.98	16
17	39.20	37.92	39.18	56.04	42.83	49.31	38.31	38.23	37.47	39.56	39.88	38.96	17
18	39.15	37.88	39.19	51.91	51.14	51.47	38.12	37.97	37.40	39.61	39.84	38.81	18
19	39.13	37.85	39.19	47.50	54.37	48.43	37.96	37.85	37.17	39.60	39.76	38.80	19
20	39.11	37.87	39.20	44.99	53.23	45.91	37.84	37.85	37.23	39.60	39.68	38.74	20
21	39.09	37.90	39.15	43.32	57.14	44.89	37.84	37.99	37.50	39.75	39.66	38.77	21
22	39.09	37.88	39.09	42.43	57.83	43.84	38.02	38.09	37.53	39.75	40.89	38.78	22
23	39.10	37.83	39.06	41.90	57.57	43.32	38.12	38.09	37.50	39.78	40.44	38.79	23
24	39.14	37.78	39.05	41.52	57.81	42.93	38.03	38.06	37.45	39.76	39.04	38.80	24
25	39.18	37.75	39.05	41.16	58.16	42.62	38.18	37.83	37.41	39.83	38.72	38.72	25
26	39.20	37.72	39.09	40.85	58.56	42.50	38.03	37.65	37.57	39.82	38.59	38.69	26
27	39.23	37.68	39.18	40.58	58.50	42.47	37.86	37.61	37.92	39.86	38.52	38.57	27
28	39.24	37.66	39.35	40.32	58.28	42.40	37.85	37.55	38.39	39.99	38.39	38.58	28
29	39.24	37.64	39.52	40.29	57.88	42.13	37.81	37.33	38.51	39.99	38.19	38.55	29
30	39.23	37.88	39.54	47.96	41.58	41.58	37.69	36.53	38.50	40.01	37.89	38.43	30
31	39.21	39.49	39.49	55.77	41.46	41.46	36.23	36.23	40.04	37.70	37.70	31	31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-16-68	1800	57.31									
2-26-68	1815	58.65									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 08 42	121 55 00	SEL3 15N 1W		64.4 60.59	3-1-40 1-7-65	MAR 54-OCT 54 JAN 55-DEC 55 MAR 56-DATE 8	15-DATE			0.00	USED

Station located 190 ft. below Meridian Bridge, State Highway 20, immediately NW of Meridian.

8 - Irrigation season only.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02320	SACRAMENTO RIVER AT RECLAMATION DISTRICT 70 - PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	35.2	34.6 E	33.5	34.8	48.6 E	51.3	36.1	31.4	30.3	32.9	34.7	32.4	1
2	35.1	34.7 E	33.1	34.8	45.0	51.3	36.1	31.5	30.5	33.0	34.8	32.4	2
3	34.9	34.6 E	33.9	34.4	43.5	50.7	36.3	31.5	30.9	32.9	34.8	32.4	3
4	35.0 E	34.0 E	34.7	34.2	48.1	50.2	36.0	31.5	31.0	33.1	34.8	32.4	4
5	35.3 E	33.5 E	37.6	34.1	46.9	49.5	35.4	31.6	30.8	33.3	34.9	32.4	5
6	35.1 E	33.4 E	37.7	34.0	40.6	48.0	34.9	31.7	31.1	33.3	35.0	32.6	6
7	35.0 E	32.9 E	38.1	33.8	41.6	46.5	34.5	31.8	31.6	33.5	35.1	32.8	7
8	34.9 E	32.6 E	36.6	33.4	40.7	45.3	34.2	32.2	32.2	33.6	35.0	33.0	8
9	34.9 E	32.6 E	38.4	33.3	40.1	44.5	33.8	32.2	32.7	33.7	34.9	33.2	9
10	34.9 E	32.6 E	36.7	33.4	40.5	44.0	32.9	32.3	32.8	33.7	34.9	33.4	10
11	34.8 E	32.6 E	35.8	39.8	39.4	43.5	32.8	32.6	32.7	33.7	34.9	33.6	11
12	34.8 E	32.6 E	35.3	45.3	39.1	43.0	33.0	32.9	32.5	33.6	34.9	33.8	12
13	34.6 E	32.6 E	35.1	40.0	38.7	42.0	32.9	33.0	32.3	33.6	34.9	34.0	13
14	34.6 E	32.6	34.7	36.7	38.3	41.8	32.6	33.2	32.1	34.0	35.0	34.2	14
15	34.4 E	32.7	34.7	38.4	38.0	42.5	32.3	33.2	31.7	34.2	35.0	34.5	15
16	34.4 E	33.1	34.5	50.4	37.7	44.3	32.0	33.5	31.5	34.2	35.0	34.4	16
17	34.5 E	33.2	34.5	50.8	37.5	44.1	31.7	33.0	31.6	34.2	34.8	34.5	17
18	34.5 E	33.0	34.5	48.6	44.0	43.9	31.4	32.5	31.6	34.2	34.6	34.4	18
19	34.5 E	33.0	34.5	44.6	49.8	47.6	31.2	32.2	31.5	34.2	34.1	34.5	19
20	34.5 E	33.1	34.5	41.8	48.0	45.6	31.1	32.1	31.2	34.3	33.9	34.3	20
21	34.5 E	33.2	34.6	39.1	50.7	42.4	31.5	32.3	31.6	34.4	34.6	34.2	21
22	34.5 E	33.1	34.5	38.3	51.5	40.7	31.7	32.5	31.7	34.4	35.0	34.3	22
23	34.6 E	32.9	34.5	37.2	51.4	39.6	32.0	32.5	31.5	34.4	35.7	34.4	23
24	34.6 E	32.8	34.5	37.2	51.5	38.9	31.9	32.4	31.7	34.4	34.4	34.4	24
25	34.6 E	32.7	34.4	36.6	51.7	38.4	32.0	32.2	31.6	34.5	34.5	34.4	25
26	34.7 E	32.8	34.4	36.4	51.9	38.0	32.0	32.1	31.6	34.5	33.6	34.2	26
27	34.7 E	32.8	34.5	36.0	52.0	37.7	31.9	31.7	31.9	34.6	33.4	34.2	27
28	34.7 E	32.8	34.7	35.7	51.8	37.7	31.7	31.5	32.6	34.7	33.3	34.1	28
29	34.7 E	32.8	34.9	35.5	51.7	37.4	31.7	31.2	32.8	34.7	33.2	34.1	29
30	34.5 E	33.1	35.0	38.0		36.6	31.5	31.0	32.8	34.7	33.0	34.0	30
31	34.5 E		34.9	50.2		36.4		30.6		34.7	32.8		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 04 08	121 51 43	NE16 14N 1E					25-DATE			0.00	USED

Staff located at Reclamation District 70 pumping plant, 1.7 mi. E of Grimes. Gage read daily by pump operators.

ABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02301	SACRAMENTO RIVER AT TISDALE WEIR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1					46.56 A	48.07							1
2						47.80							2
3						47.57							3
4					46.15 A	47.04							4
5					45.74 A	46.09 A							5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15				45.92 A									15
16				47.57									16
17				47.60									17
18				46.43 A	46.46 A	45.79 A							18
19					47.06								19
20					46.55								20
21					47.82								21
22					48.14								22
23					48.11								23
24					48.17								24
25					48.28								25
26					48.36								26
27					48.37								27
28					48.33								28
29					48.25								29
30				45.90 A									30
31				47.34									31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
E - ESTIMATED	1-17-68	0030	47.88	2-4-68	1345	46.37						
NR - NO RECORD	1-31-68	1300	47.55	2-27-68	0100	48.40						
HF - NO FLOW												

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 01 36	121 49 16	NE35 14N 1E		53.3 50.11	3- 1-40 12-25-64	JAN 40-DATE #	JAN 35-DATE #	1935		0.00	USED

Station located west of north end of weir, 5.0 mi. SE of Grimes. Gage heights below weir crest (elevation 45.45 ft.) are not tabulated.

A - Mean gage height for period of flow.  
# - Flood season only.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02280	SACRAMENTO RIVER BELOW WILKINS SLOUGH

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	33.24	32.46	31.37	32.67	45.56	47.80	34.20	NR	27.30	30.29	32.28	30.27	1
2	32.99	32.49	31.84	32.54	42.10	47.47	34.16	NR	27.37	30.32	32.30	30.04	2
3	32.45	32.26	31.74	32.19	41.99	47.23	34.10	NR	27.95	30.29	32.32	29.97	3
4	33.00	31.57	33.14	31.97	45.20	46.70	33.78	NR	28.05	30.58	32.44	29.98	4
5	33.24	31.33	35.21	31.89	43.83	45.67	33.13	NR	28.15	30.68	32.54	30.07	5
6	33.09	31.23	35.91	31.82	41.01	44.31	32.61	NR	28.79	30.70	32.55	30.27	6
7	32.94	30.75	35.61	31.56	39.33	43.12	32.30	29.34	29.45	31.03	32.63	30.53	7
8	32.85	30.48	34.94	31.19	38.51	42.13	31.90	29.51	29.99	31.08	32.60	30.76	8
9	32.78	30.38	35.91	31.07	37.84	41.61	31.28	29.53	30.18	31.12	32.54	31.02	9
10	32.81	30.41	34.58	31.32	37.34	41.15	30.66	29.78	30.17	31.11	32.57	31.22	10
11	32.74	30.36	33.63	38.77	37.27	40.59	30.71	30.11	30.13	31.10	32.46	31.43	11
12	32.68	30.36	33.20	41.76	37.00	39.79	30.68	30.37	29.91	31.11	32.42	31.62	12
13	32.57	30.37	32.91	37.22	36.57	39.58	30.56	30.70	29.71	31.13	32.48	31.88	13
14	32.51	30.40	32.72	34.80	36.21	40.64	30.25	30.85	29.37	31.47	32.58	32.06	14
15	32.43	30.57	32.54	38.94	36.01	41.95	29.84	31.20	29.07	31.60	32.65	32.33	15
16	32.40	30.95	32.39	46.76	35.70	41.68	29.48	31.08	28.85	31.68	32.56	32.44	16
17	32.45	30.96	32.37	46.84	35.92	42.17	29.08	30.46	28.96	31.68	32.31	32.40	17
18	32.39	30.78	32.41	45.22	42.45	44.83	NR	30.02	28.92	31.71	32.04	32.26	18
19	32.39	30.75	32.39	41.64	46.55	42.74	NR	29.78	28.71	31.74	31.70	32.22	19
20	32.38	30.94	32.40	38.77	46.05	39.96	NR	29.71	28.53	31.70	31.66	32.11	20
21	32.36	30.99	32.37	37.09	47.49	38.40	NR	29.83	28.92	31.81	32.21	32.15	21
22	32.40	30.88	32.32	36.06	47.91	37.43	NR	30.00	28.99	31.87	32.97	32.19	22
23	32.46	30.72	32.27	35.39	47.94	36.71	NR	30.05	28.96	31.88	33.22	32.23	23
24	32.50	30.65	32.26	34.94	47.97	36.20	NR	29.89	28.94	31.89	32.02	32.25	24
25	32.53	30.65	32.23	34.53	48.11	35.85	NR	29.65	28.90	31.91	31.48	32.15	25
26	32.56	30.62	32.26	34.18	48.20	35.62	NR	29.41	28.97	31.98	31.31	32.06	26
27	32.60	30.60	32.36	33.86	48.20	35.57	NR	29.13	29.29	32.03	31.17	32.06	27
28	32.59	30.59	32.54	33.56	48.14	35.24	NR	28.85	29.92	32.21	31.07	32.06	28
29	32.53	30.65	32.74	33.42	48.03	34.68	NR	28.50	30.17	32.23	30.91	32.06	29
30	32.52	30.91	32.81	38.57		34.41	NR	28.05	30.22	32.23	30.64	32.06	30
31	32.46		32.77	46.53		34.23		27.60		32.26	30.38		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-27-68	0130	48.37									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 00 35	121 49 25	NE2 13N 1E	28900 27500	51.41 49.91	2-27-48 12-25-64	APR 31-OCT 38 8 JAN 39-DATE	AUG 31-DATE	1931		0.00	USED

Station located 0.3 mi. below Wilkins Slough pumping plant of Reclamation District 108, 1.3 mi. below Tisdale Weir, 6 mi. SE of Grimes.  
Maximum discharge of record listed is for period 1938 to date. Records furnished by USGS.

8 - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02240	SACRAMENTO RIVER NEAR ROUGH AND READY BEND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	25.4	24.5	23.3	24.7	37.9	41.3	26.3	20.5	19.8	22.0	24.2	22.3	1
2	25.4	24.5	23.8	24.6	35.7	40.9	26.0	20.5	19.5	22.0	24.2	22.3	2
3	25.0	24.3	24.1	24.3	33.2	40.5	26.5	20.8	19.8	22.0	24.2	22.2	3
4	24.9	24.3	24.0	24.1	36.2	40.0	26.3	21.0	19.4	22.1	24.4	22.1	4
5	25.4	24.4	26.9	24.0	36.4	39.0	25.7	21.3	20.1	22.5	24.5	21.9	5
6	25.4	23.9	27.1	23.9	34.2	37.5	25.0	21.5	20.3	22.4	24.5	21.7	6
7	25.3	23.2	28.2	23.7	32.1	36.0	24.9	22.1	20.9	22.7	24.5	23.0	7
8	25.3	22.3	26.8	23.3	31.1	34.8	24.4	22.3	21.7	22.9	24.5	23.3	8
9	25.0	22.8	28.0	23.1	30.4	34.0	23.7	22.2	22.3	23.0	24.5	23.7	9
10	25.0	22.7	27.1	23.1	29.8	33.5	22.9	22.3	22.5	23.0	24.5	24.0	10
11	24.8	22.7	26.1	26.5	29.6	32.9	22.9	22.8	22.5	23.0	24.5	24.1	11
12	24.9	22.6	25.6	33.7	29.3	32.3	22.9	23.0	22.3	23.0	24.4	24.3	12
13	24.7	22.5	25.0	30.6	29.1	31.9	22.7	23.5	22.0	23.0	24.4	24.5	13
14	24.6	22.6	24.6	27.7	28.4	32.0	22.7	23.7	21.7	23.2	24.4	24.5	14
15	24.5	22.8	24.6	27.2	28.4	33.8	22.3	23.9	21.4	23.5	24.5	24.4	15
16	24.6	23.0	23.5	36.7	28.3	34.0	21.8	24.3	21.0	23.6	24.5	24.4	16
17	24.5	23.3	24.4	38.0	27.6	33.6	21.0	23.8	20.9	23.7	24.5	24.7	17
18	24.5	23.0	24.4	37.3	30.4	36.5	21.0	23.1	21.8	23.7	24.5	24.5	18
19	24.5	23.0	24.4	34.8	37.6	36.2	20.5	22.7	20.7	23.8	24.5	24.4	19
20	24.5	23.0	24.4	31.9	37.5	32.4	20.5	22.6	20.5	23.6	23.7	24.3	20
21	24.4	23.1	24.3	30.0	39.2	31.7	20.4	22.5	20.6	23.7	23.2	24.2	21
22	24.6	23.1	24.3	28.7	40.4	30.1	20.9	22.8	20.9	23.7	24.5	24.2	22
23	24.6	22.9	24.3	27.8	40.9	29.4	21.0	23.0	20.8	23.8	26.1	24.2	23
24	24.5	22.8	24.3	27.3	41.0	28.8	21.0	23.0	20.9	23.7	25.0	24.2	24
25	24.6	22.8	24.3	26.8	41.2	28.0	21.0	22.7	20.8	23.7	24.2	24.2	25
26	24.6	22.8	24.3	26.4	41.2	27.8	21.3	22.4	20.7	23.8	23.9	24.2	26
27	24.6	22.8	24.3	26.1	41.4	27.7	21.6	22.1	21.0	23.9	23.7	24.1	27
28	24.6	22.8	24.3	25.8	41.3	27.4	21.5	21.9	21.5	24.0	23.4	24.0	28
29	24.7	22.8	24.3	25.8	41.3	26.8	20.9	21.4	21.9	24.2	23.5	23.8	29
30	24.7	22.8	24.3	26.3		26.5	20.6	20.9	22.0	24.2	23.0	23.8	30
31	24.7		24.7	36.9		26.5		20.2		24.2	22.5		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 51 45	121 47 29	NE30 12N 2E					MAR 37-DATE	1937		0.00	USED

Staff located at Reclamation District 108 drainage pumping plant, 4.5 mi. E of Robbins. Gage read daily by pump operators.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02976	COLUSA BASIN DRAIN AT HIGHWAY 20

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	38.95	39.16	40.31	37.79	48.75	40.15	39.48	39.90	39.58	39.24	42.03	41.32	1
2	38.92	39.18	40.43	37.81	48.82	39.87	39.95	40.85	39.20	39.35	42.13	41.40	2
3	38.94	39.00	40.23	37.82	49.08	39.58	39.65	41.66	38.75	39.66	42.26	41.91	3
4	38.96	39.01	40.38	37.79	48.39	39.36	38.87	42.25	38.96	40.07	42.13	42.38	4
5	38.76	39.21	40.02	37.79	46.79	39.19	39.60	42.96	39.28	40.33	42.13	42.95	5
6	38.67	39.22	39.26	37.79	44.45	38.94	39.83	43.63	40.28	40.56	42.01	43.48	6
7	38.65	39.20	39.14	37.96	42.50	38.87	39.65	43.91	42.13	40.39	41.85	43.89	7
8	38.57	39.23	39.07	38.36	41.13	39.08	39.68	44.28	42.78	40.40	41.86	44.23	8
9	88.57	39.45	38.82	38.62	40.46	38.98	38.79	44.49	42.51	40.42	41.73	44.29	9
10	38.49	39.74	38.60	38.97	40.15	38.69	38.40	44.46	42.22	40.56	41.74	44.62	10
11	38.47	39.64	38.44	39.05	39.86	38.55	37.91	44.33	41.84	40.70	41.72	44.58	11
12	38.48	39.51	38.42	38.57	39.60	38.55	38.06	44.62	41.15	40.86	41.85	44.32	12
13	38.48	39.73	38.28	38.56	39.36	39.25	38.19	44.87	40.43	40.91	42.00	44.09	13
14	38.64	39.89	38.11	39.29	39.30	39.10	37.90	45.13	40.15	41.15	42.15	43.26	14
15	38.80	39.85	38.10	41.76	39.11	38.75	37.91	44.97	39.56	41.12	42.50	43.01	15
16	38.76	39.86	38.11	41.14	39.26	39.77	38.33	44.23	39.30	41.07	42.61	42.31	16
17	38.71	39.89	38.02	40.14	44.99	40.23	38.36	43.07	39.78	41.17	42.80	41.28	17
18	38.60	40.02	38.04	39.58	47.42	39.18	38.70	42.41	39.77	41.13	42.79	40.48	18
19	38.66	39.84	38.07	39.27	47.00	38.74	38.05	42.35	39.69	41.11	42.88	40.26	19
20	38.67	39.68	37.97	38.98	48.40	38.51	38.10	43.15	39.58	40.98	43.05	40.07	20
21	38.83	39.62	38.02	38.83	48.75	38.40	38.85	43.75	39.42	40.93	44.68	39.85	21
22	39.16	39.58	37.95	38.62	48.69	38.34	38.67	43.75	39.67	40.88	45.66	39.61	22
23	39.25	39.43	37.85	38.48	48.48	38.26	37.93	43.18	39.51	40.85	45.71	39.28	23
24	39.19	39.37	37.87	38.32	47.85	38.20	38.18	42.75	39.38	41.01	45.33	39.03	24
25	39.08	39.25	37.92	38.27	46.25	38.16	39.25	42.47	39.53	41.24	44.66	38.90	25
26	39.15	39.16	37.92	38.15	44.02	38.12	39.84	42.35	39.42	41.39	43.96	38.98	26
27	38.98	39.07	37.91	38.13	42.46	38.06	39.94	41.74	39.45	41.58	43.47	38.96	27
28	38.88	39.12	37.82	38.07	41.27	38.01	39.16	41.83	39.41	41.72	43.15	38.96	28
29	39.09	39.15	37.81	40.35	40.51	38.11	38.35	41.26	39.74	41.68	42.39	38.88	29
30	39.32	39.70	37.75	47.69		39.10	38.79	41.21	39.21	41.64	41.88	38.87	30
31	39.09		37.76	48.88		39.39		39.60		41.78	41.53		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-15-68	1200	42.19	2-3-68	0400	49.20	3-16-68	2000	41.10			
1-30-68	2400	48.50	2-17-68	2400	47.52						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
31 11 44	122 03 34	NE34 16N 2W	3140	51.93 49.38	2-21-58 1- 8-65	JUN 24-DEC 40 8 MAY 41-DATE	JUN 24-DEC 40 8 MAY 41-DATE	1957	1957	37.09 0.00	USED

Station located at State Highway 20 Bridge, 3.0 mi. W of Colusa. Flow is return water in main drain of Reclamation District 2047, drainage chiefly from irrigation districts.

8 - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A00180	COLUSA BASIN DRAIN NEAR COLLEGE CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	25.29	25.23	26.06	24.12	32.89	27.34	25.82	24.83	25.21	24.89	27.34	27.47	1
2	25.18	25.27	26.32	24.14	33.01	26.98	26.11	25.62	25.12	24.82	27.46	27.43	2
3	25.22	25.19	26.03	24.14	33.14	26.70	26.06	26.49	24.74	24.97	27.59	27.78	3
4	25.30	25.12	26.28	24.12	33.10	26.48	25.54	26.94	24.70	25.24	27.51	28.17	4
5	25.13	25.26	26.16	24.11	32.78	26.33	25.70	27.48	24.81	25.57	27.67	28.62	5
6	25.06	25.35	25.56	24.09	31.95	26.15	25.93	28.20	25.57	25.76	27.65	29.13	6
7	25.02	25.35	25.39	24.14	30.47	26.05	25.83	28.58	26.74	25.67	27.67	29.45	7
8	24.90	25.32	25.25	24.48	28.68	26.10	25.63	28.87	27.78	25.71	27.54	29.77	8
9	24.82	25.40	25.10	24.85	27.54	26.13	25.23	29.22	27.60	25.65	27.40	29.88	9
10	24.78	25.57	24.94	25.02	26.92	25.92	25.04	29.35	27.49	25.80	27.40	30.12	10
11	24.82	25.61	24.77	25.36	26.55	25.85	24.50	29.29	27.20	25.81	27.42	30.20	11
12	24.82	25.42	24.73	25.10	26.27	25.91	24.28	29.43	26.81	26.09	27.53	30.00	12
13	24.80	25.65	24.70	25.20	25.93	26.27	24.43	29.79	26.28	26.14	27.63	29.87	13
14	24.86	25.88	24.58	25.27	25.71	26.50	24.78	29.96	26.01	26.30	27.66	29.33	14
15	24.91	25.90	24.41	26.78	25.52	26.20	24.26	30.02	25.61	26.43	27.89	28.91	15
16	24.89	25.90	24.44	27.58	25.34	26.37	24.28	29.60	25.16	26.35	28.07	28.46	16
17	24.91	25.78	24.38	27.31	28.07	27.35	24.30	28.67	25.31	26.44	28.17	27.82	17
18	24.91	25.79	24.40	26.88	31.81	26.69	24.70	27.81	25.45	26.42	28.26	27.07	18
19	24.91	26.06	24.43	26.61	31.90	26.21	24.51	27.62	25.30	26.38	28.32	26.73	19
20	24.94	26.05	24.38	26.43	32.48	25.86	24.02	27.97	25.22	26.29	28.39	26.49	20
21	24.94	25.90	24.34	26.19	32.86	25.69	24.42	28.53	25.14	26.26	29.25	26.17	21
22	25.14	25.84	24.35	25.49	32.97	25.60	24.61	28.77	25.10	26.30	30.25	26.09	22
23	25.24	25.70	24.24	25.01	32.98	25.33	24.28	28.50	25.17	26.24	30.56	25.92	23
24	25.34	25.67	24.18	24.74	32.89	24.95	23.92	28.14	25.10	26.33	30.57	25.73	24
25	25.29	25.51	24.34	24.63	32.53	24.71	24.44	27.89	25.20	26.54	30.16	25.49	25
26	25.36	25.36	24.43	24.58	31.60	24.51	25.30	27.81	25.08	26.71	29.68	25.57	26
27	25.28	25.30	24.34	24.50	30.30	24.41	25.52	27.40	25.22	26.83	29.18	25.58	27
28	25.18	25.33	24.28	24.45	28.98	24.40	24.75	26.66	25.08	27.04	28.92	25.41	28
29	25.21	25.38	24.16	25.15	27.93	24.54	24.20	25.90	25.31	27.06	28.36	25.38	29
30	25.38	25.78	24.08	31.45		24.98	23.94	25.84	25.11	26.95	27.83	25.32	30
31	25.25		24.06	32.56		25.62		25.43		26.97	27.66		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
E - ESTIMATED	1-16-68	0430	27.62	2-23-68	0330	33.00	9-11-68	0900	30.23			
NR - NO RECORD	2-3-68	0515	33.16	5-15-68	0245	30.10						

NF - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 00 38	121 58 38	NE4 13N 1W				OCT 44-APR 52 MAR 54-FEB 58	OCT 44-APR 52 MAR 54-FEB 58 JUN 58-DATE	1957	1957	-0.34 0.00	USED USED

Station located 0.1 mi. below highway bridge, 1.7 mi. E of College City. Flow is drainage chiefly from lands irrigated by Glenn-Colusa, Provident, Princeton-Codora-Glenn, Compton-Delevan, and Maxwell Irrigation Districts. Backwater from Knights Landing Outfall Gates at times affects stage-discharge relationship.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02945	COLUSA BASIN DRAIN AT KNIGHTS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	23.51	21.13	21.41	20.64	28.47	26.59	24.53	23.23	24.46	24.36	24.52	24.51	1
2	23.51	21.23	21.64	20.60	28.78	26.35	24.52	23.61	24.48	24.15	24.52	24.51	2
3	23.49	21.24	21.72	20.45	28.92	26.16	24.51	24.38	24.38	24.04	24.51	24.51	3
4	23.51	21.02	21.74	20.26	29.11	26.01	24.48	24.49	24.21	24.08	24.51	24.51	4
5	23.47	20.88	22.75	20.27	29.13	25.92	24.49	24.48	24.17	24.32	24.50	24.52	5
6	23.10	20.90	23.30	20.99	28.82	25.83	24.48	24.47	24.37	24.51	24.53	24.52	6
7	22.66	20.95	23.72	21.36	27.91	25.77	24.49	24.51	24.49	24.50	24.50	24.51	7
8	22.38	20.94	23.17	21.77	26.94	25.77	24.49	24.48	24.53	24.52	24.51	24.51	8
9	22.07	20.95	23.41	22.45	26.22	25.80	24.50	24.50	24.47	24.51	24.51	24.51	9
10	21.62	21.02	23.10	23.15	25.72	25.74	24.50	24.46	24.46	24.51	24.50	24.50	10
11	21.37	21.12	22.26	23.15	25.50	25.63	24.45	24.48	24.48	24.51	24.50	24.52	11
12	21.31	21.11	21.68	24.24	25.28	25.65	24.48	24.46	24.50	24.50	24.51	24.49	12
13	21.17	21.11	21.31	24.80	24.93	25.81	24.47	24.48	24.50	24.51	24.51	24.55	13
14	21.07	21.30	21.07	23.79	24.62	25.94	24.49	24.52	24.51	24.51	24.50	24.52	14
15	20.97	21.44	20.86	23.70	24.49	25.88	24.44	24.59	24.50	24.50	24.52	24.50	15
16	21.00	21.51	20.70	25.91	24.00	25.87	24.36	24.49	24.51	24.50	24.51	24.51	16
17	20.99	21.51	20.55	26.50	23.98	26.26	24.43	24.46	24.51	24.51	24.51	24.50	17
18	21.00	21.47	20.65	26.36	26.68	26.22	24.45	24.47	24.53	24.52	24.52	24.50	18
19	20.99	21.51	20.65	26.23	28.08	25.91	24.46	24.48	24.51	24.50	24.49	24.51	19
20	20.94	21.64	20.63	26.13	28.42	25.71	24.36	24.51	24.50	24.50	24.49	24.51	20
21	20.96	21.61	20.60	25.83	28.71	25.61	24.26	24.49	24.51	24.52	24.54	24.51	21
22	21.04	21.54	20.55	24.96	28.95	25.50	24.31	24.49	24.49	24.51	24.53	24.50	22
23	21.09	21.46	20.52	24.08	29.09	25.15	24.23	24.44	24.50	24.50	24.64	24.49	23
24	21.15	21.38	20.43	23.42	29.16	24.71	24.00	24.48	24.50	24.50	24.61	24.52	24
25	21.21	21.34	20.36	22.92	29.12	24.28	NR	24.46	24.51	24.51	24.49	24.49	25
26	21.25	21.24	20.44	22.52	28.88	23.99	NR	24.47	24.47	24.51	24.50	24.51	26
27	21.28	21.15	20.46	22.24	28.39	23.89	24.09	24.47	24.50	24.50	24.50	24.51	27
28	21.31	21.09	20.55	21.94	27.66	24.19	23.50	24.43	24.50	24.52	24.50	24.50	28
29	21.28	21.06	20.65	21.71	27.00	24.47	23.49	24.49	24.50	24.51	24.50	24.51	29
30	21.18	21.21	20.69	24.13	28.03	24.54	23.21	24.48	24.48	24.50	24.51	24.50	30
31	21.16		20.68			24.54		24.49		24.50	24.49		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
E	1-31-68	2315	28.30								
NR	2-24-68	1400	29.21								
NF											

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 47 58	121 43 27	SW14 11N 2E		36.8	2-10-42	MAY 24-OCT 39 8 JAN 40-DATE	MAY 24-OCT 39 8 JAN 40-DATE	1924		0.00	USED

Station located at Knights Landing Outfall Gates, 0.3 mi. W of Knights Landing. Tributary to Sacramento River. Flow regulated by outfall gates.

8 - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02200	SACRAMENTO RIVER AT KNIGHTS LANDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	21.19	20.40	19.50	20.20	31.46	36.96	22.20	16.62	16.28	17.50	19.81	18.46	1
2	20.89	20.58	19.92	20.12	29.67	36.62	22.25	16.67	16.08	17.49	19.93	18.34	2
3	20.72	20.58	20.00	19.92	28.61	36.21	22.37	16.97	16.20	17.54	19.98	18.30	3
4	21.00	20.18	20.33	19.69	30.50	35.55	22.09	17.61	16.38	17.57	20.10	18.44	4
5	21.27	19.82	22.27	19.55	30.44	34.24	21.50	18.34	16.38	17.81	20.17	18.67	5
6	21.39	19.60	22.80	19.41	28.69	32.42	21.07	18.64	16.47	17.88	20.16	18.97	6
7	21.30	19.29	23.24	19.32	27.31	30.73	20.87	18.94	17.25	18.23	20.23	19.36	7
8	21.10	19.15	22.60	19.08	26.30	29.58	20.34	18.95	18.06	18.30	20.17	19.78	8
9	21.02	19.01	23.00	18.93	25.66	28.87	19.62	18.97	18.62	18.31	20.14	20.04	9
10	20.92	18.80	22.58	19.23	25.14	28.32	19.13	19.15	18.64	18.41	20.17	20.30	10
11	20.76	18.79	21.68	22.84	24.95	27.67	18.96	19.35	18.53	18.43	20.19	20.56	11
12	20.70	18.70	21.10	27.25	24.72	26.90	18.92	19.63	18.25	18.48	20.12	20.75	12
13	20.50	18.70	20.72	25.10	24.38	26.60	18.88	19.85	17.86	18.51	20.11	20.88	13
14	20.46	18.87	20.47	23.10	24.14	27.41	18.71	20.13	17.50	18.78	20.22	20.90	14
15	20.36	19.02	20.31	24.03	24.02	28.65	18.20	20.62	17.15	19.02	20.32	21.06	15
16	20.36	19.20	20.15	30.17	23.48	28.75	17.82	20.58	16.80	19.06	20.40	21.05	16
17	20.36	19.27	20.07	31.30	23.36	29.05	17.48	20.03	16.68	19.08	20.30	20.75	17
18	20.38	19.13	20.11	30.95	26.75	30.88	16.93	19.40	16.75	19.10	20.19	20.43	18
19	20.35	19.12	20.11	29.16	31.43	30.25	16.62	19.15	16.57	19.13	19.92	20.22	19
20	20.30	19.20	20.12	26.88	32.23	28.05	16.46	19.05	16.38	19.09	19.75	20.03	20
21	20.32	19.29	20.08	25.34	34.48	26.43	16.51	19.20	16.50	19.18	20.20	19.96	21
22	20.42	19.20	19.99	24.38	36.05	25.33	16.79	19.25	16.69	19.20	20.98	19.99	22
23	20.39	19.04	19.98	23.50	36.66	24.70	16.86	19.44	16.81	19.17	21.87	19.85	23
24	20.43	18.92	19.90	22.85	NR	24.26	16.83	19.35	16.75	19.14	21.20	19.85	24
25	20.50	18.89	19.82	22.39	NR	23.83	16.88	19.18	16.68	19.21	20.60	19.70	25
26	20.56	18.91	19.86	22.01	NR	23.49	17.16	19.05	16.70	19.27	20.20	19.58	26
27	20.59	18.88	19.90	21.70	NR	23.22	17.64	18.76	16.74	19.40	19.84	19.62	27
28	20.68	18.87	20.02	21.36	37.23	22.88	17.52	18.40	17.06	19.66	19.66	19.53	28
29	20.60	18.90	20.20	21.15	37.18	22.36	16.79	17.83	17.46	19.73	19.43	19.46	29
30	20.45	19.15	20.24	23.47		22.20	16.58	17.36	17.65	19.73	19.04	19.36	30
31	20.38		20.23	30.58		22.28		16.74		19.73	18.68		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED

NR - NO RECORD

NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 48 10	121 42 55	NE14 11N 2E		41.83	2-8-42	JUL 19-OCT 38 8 JAN 39-DATE	JUL 19-DATE	1921		0.00 -3.02	USED USCGS

Station located just above the Southern Pacific Railroad Bridge, 13.1 mi. above Feather River immediately NE of Knights Landing. Station affected by backwater from Feather River and Sutter Bypass during periods of high flow. Maximum discharge of record listed is for period 1940 to date. Records furnished by USGS.

8 - Irrigation season only.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02972	BUTTE SLOUGH NEAR MERIDIAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	41.72	41.20	40.84	41.53	48.48	54.16	43.63	42.03	41.62	42.01	42.59	40.93	1
2	41.63	41.22	41.20	41.44	48.53	53.38	43.44	42.22	41.61	41.95	42.60	40.88	2
3	41.27	41.02	41.11	41.18	48.62	52.51	43.34	42.25	41.75	41.86	42.63	40.91	3
4	41.44	40.54	42.06	41.04	48.74	51.55	43.02	42.36	41.87	42.18	42.75	40.83	4
5	41.67	40.42	43.42	40.99	48.75	50.56	42.54	42.43	41.93	42.30	42.80	40.82	5
6	41.60	40.36	44.22	40.99	48.45	49.72	42.09	42.39	42.22	42.33	42.80	40.96	6
7	41.51	40.08	43.85	40.86	47.81	49.03	41.79	42.29	42.66	42.43	42.81	41.12	7
8	41.42	39.94	43.57	40.82	47.23	48.50	41.50	42.21	42.29	42.27	42.76	41.29	8
9	41.37	39.90	44.14	40.96	46.70	48.01	41.23	42.41	42.57	41.86	42.70	41.53	9
10	41.37	39.94	43.11	41.39	46.23	47.61	41.07	42.54	42.89	41.86	42.56	41.69	10
11	41.31	39.93	42.48	44.92	46.01	47.26	41.52	42.43	42.79	41.74	42.42	41.88	11
12	41.24	39.91	42.19	46.29	45.71	47.06	41.64	42.72	42.33	41.78	42.42	42.15	12
13	41.18	39.93	41.99	45.06	45.39	47.07	41.87	42.54	41.89	42.18	42.49	42.36	13
14	41.13	39.95	41.79	43.65	45.05	47.21	42.12	42.67	41.66	42.43	42.57	42.63	14
15	41.02	40.07	41.66	44.95	44.80	47.44	42.05	42.70 E	41.57	42.30	42.68	42.95	15
16	41.02	40.30	41.71	46.97	44.55	47.60	41.59	42.66 E	41.92	42.06	42.72	43.02	16
17	41.05	40.33	41.72	50.40	44.78	47.73	41.20	42.66 E	41.97	42.10	42.70	42.88	17
18	41.04	40.24	41.69	50.69	46.55	47.95	41.16	42.67 E	41.73	42.20	42.57	42.40	18
19	41.07	40.23	41.70	49.71	47.13	48.06	41.90	42.72 E	41.47	42.25	42.38	42.13	19
20	41.09	40.33	41.61	48.55	47.59	47.71	42.18	42.74 E	41.70	42.25	42.52	41.94	20
21	41.10	40.36	41.57	47.46	48.95	47.20	41.87	42.76	42.06	42.41	42.92	41.85	21
22	41.09	40.31	41.51	46.39	58.86	46.74	41.63	42.83	41.83	42.49	43.74	41.72	22
23	41.17	40.20	41.45	45.57	53.61	46.32	41.53	42.74	41.69	42.42	43.56	41.50	23
24	41.24	40.21	41.37	44.92	53.85	45.98	41.52	42.69	41.80	42.19	43.02	41.16	24
25	41.27	40.25	41.36	44.32	54.13	45.60	41.68	42.70	41.78	42.26	42.76	41.00	25
26	41.28	40.23	41.35	43.83	54.51	45.35	42.05	42.46	41.66	42.30	42.65	40.99	26
27	41.31	40.22	41.29	43.42	54.89	45.04	42.25	42.65	41.52	42.31	42.45	40.96	27
28	41.30	40.27	41.40	43.04	54.90	44.56	42.14	42.41	41.69	42.41	42.20	40.96	28
29	41.25	40.32	41.54	42.83	54.69	44.23	41.90	42.22	42.12	42.42	41.96	40.97	29
30	41.26	40.50	41.59	45.12	44.13	44.13	41.88	41.93	42.13	42.45	41.61	40.86	30
31	41.20		41.58	47.15		43.87		41.75		42.51	41.21		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12-6-67	2145	44.59	2-27-68	2115	54.97	8-22-68	1730	44.05			
1-17-68	1830	51.10	4-1-68	0000	43.73						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 10 05	121 53 28	NE7 15N 1E				JAN 39-DATE	NOV 34-MAY 37 #	1934		0.00	USED
							OCT 37-DATE				

Station located on right bank .5 mi. upstream from Farmland Road 1.7 mi. NE of Meridian. Tributary to Sutter Bypass. Flow affected by gate operation. Flow during summer months is made up almost entirely of return water from lands irrigated by Feather River diversions. During flood periods, Sacramento River water enters Butte Basin above Butte City from bank spill and spill over Moulton and Colusa Weirs.

# - Flood season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A05935	SUTTER BYPASS AT LONG BRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY	
1					39.84	47.17	39.14	40.52	40.32	40.95	41.09	39.24	1	
2					40.97	46.21	39.06	40.63	40.37	40.90	41.09	39.36	2	
3					41.02	45.15	39.00	40.65	40.42	40.99	41.09	39.55	3	
4					41.13	44.17		40.68	40.47	41.24	41.09	39.52	4	
5					41.16	43.31		40.72	40.48	41.23	41.05	39.49	5	
6					41.03	42.64		40.67	40.56	41.20	41.09	39.58	6	
7					40.52	42.10		40.61	40.56	41.22	41.09	39.69	7	
8					39.93	41.65		40.56	40.42	41.13	41.10	39.80	8	
9					39.54	41.23		40.62	40.51	40.85	41.05	39.63	9	
10					39.27	40.84		40.68	40.63	40.99	40.96	39.19	10	
11						39.13	40.52	40.64	40.63	40.92	40.86	39.06	11	
12						39.01	40.32	39.37	40.73	40.46	40.85	39.14	12	
13							40.27	39.74	40.63	40.27	41.15	40.94	39.18	13
14							40.27	39.94	40.70	40.17	41.20	41.03	39.26	14
15							40.50	39.94	40.68	40.11	41.06	41.09	39.37	15
16							40.74	39.80	40.59	40.55	40.87	41.12		16
17				41.40			40.84	39.67	40.54	40.63	41.03	41.12		17
18				43.35	39.18		41.05	39.63	40.50	40.55	41.10	41.05		18
19				42.54	39.46		41.17	39.76	40.50	40.43	41.15	40.92		19
20				41.41	39.73		40.97	39.87	40.47	40.56	41.09	40.96		20
21				40.58	40.49		40.51	39.78	40.48	40.76	41.15	41.11		21
22				39.94	44.55		40.07	39.68	40.51	40.68	41.19	41.18		22
23				39.36	46.40		39.71	39.65	40.48	40.61	41.14	40.82		23
24					46.73		39.45	39.76	40.45	40.65	40.97	40.35		24
25					47.07		39.23	39.97	40.46	40.63	41.00	40.15		25
26					47.53		39.02	40.17	40.34	40.58	41.04	40.09		26
27					47.94			40.19	40.43	40.58	41.05	39.97		27
28					47.96			40.20	40.33	40.84	41.07	39.83		28
29					47.74			40.33	40.23	41.08	40.96	39.91		29
30								40.45	40.03	41.02	40.98	39.75		30
31				39.31				40.09		41.02		39.45		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-27-68	2300	48.01									

- ESTIMATED  
R - NO RECORD  
F - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 08 46	121 50 31	SE15 15N 1E		57.7 53.23	3- 1-40 12-25-64		14-DATE			0.00	USED

Station located on west levee, 0.2 mi. N of State Highway 20, 319 mi. E of Meridian. Gage heights below 39.0 ft. are not indicative of flow in channel and have not been listed.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A05929	WADSWORTH CANAL NEAR SUTTER

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	40.30	38.83	38.95	38.65	39.80	44.21	39.11	39.53	39.21	38.88	39.88	40.01	1
2	40.61	38.74	38.87	38.67	41.35	43.44	39.22	39.40	39.39	38.92	39.77	40.11	2
3	40.68	38.47	38.86	38.65	40.65	42.63	39.40	39.20	39.44	38.93	39.76	40.28	3
4	40.72	38.59	39.06	38.67	39.92	41.93	39.57	39.48	39.46	39.10	39.95	40.70	4
5	40.73	38.52	39.06	38.61	39.66	41.06	39.64	39.87	39.64	39.55	39.87	41.16	5
6	40.79	38.63	38.98	38.65	39.50	39.94	39.67	40.13	40.09	39.30	39.75	41.43	6
7	40.79	38.50	39.04	38.69	39.40	39.30	39.71	39.93	41.05	39.24	39.83	41.42	7
8	40.71	38.53	38.98	38.75	39.32	39.25	39.61	40.42	40.96	39.40	39.99	41.49	8
9	40.64	38.52	38.96	38.54	39.26	39.18	39.74	40.90	40.87	39.57	39.68	41.49	9
10	40.49	38.53	38.87	38.55	39.24	39.10	39.82	40.78	40.67	39.57	39.64	41.32	10
11	40.47	38.51	38.86	38.55	39.25	39.03	39.52	40.50	40.41	39.56	39.53	41.44	11
12	40.54	38.52	38.87	38.52	39.24	39.07	39.49	40.64	40.48	39.51	39.72	41.48	12
13	40.49	38.46	38.77	38.46	39.22	40.23	39.59	40.85	40.20	39.78	39.66	41.00	13
14	40.49	38.51	38.69	38.48	39.20	39.84	39.95	40.78	40.10	39.76	39.67	41.12	14
15	40.53	38.50	38.65	39.26	39.19	39.76	39.87	40.56	39.59	39.80	39.91	41.05	15
16	40.36	38.51	38.67	39.06	39.24	41.23	39.48	40.63	39.28	39.42	40.01	41.17	16
17	39.74	38.54	38.65	38.93	40.37	40.93	38.84	40.67	39.44	39.25	40.13	40.77	17
18	39.82	38.51	38.78	39.34	40.14	40.14	38.88	40.50	39.41	39.17	40.25	40.86	18
19	40.17	38.69	38.77	39.16	40.58	39.84	39.40	40.53	39.27	39.32	40.27	40.84	19
20	40.28	38.96	38.78	38.70	42.27	39.59	39.18	40.55	38.97	39.40	40.72	41.00	20
21	40.55	38.81	38.75	38.66	41.98	39.42	39.54	40.62	39.10	39.36	40.93	40.86	21
22	40.62	38.68	38.65	38.65	41.70	39.49	39.66	40.65	39.24	39.47	40.64	40.52	22
23	40.56	38.65	38.66	38.62	43.40	39.49	39.61	40.63	39.21	39.12	40.69	40.26	23
24	40.39	38.60	38.66	38.61	43.71	39.42	39.73	40.68	39.10	39.31	40.71	40.12	24
25	40.56	38.52	38.62	38.59	43.98	39.37	39.63	40.70	38.64	39.28	40.63	40.19	25
26	40.74	38.49	38.66	38.57	44.34	39.20	39.83	40.80	38.65	39.46	40.46	40.23	26
27	40.56	38.51	38.66	38.56	44.74	39.07	39.91	40.70	38.95	39.56	40.22	40.15	27
28	39.66	38.58	38.66	38.55	44.82	39.15	39.36	40.19	38.68	39.68	40.21	40.17	28
29	39.06	38.84	38.65	38.87	44.65	39.11	38.94	40.00	39.55	39.67	40.03	40.16	29
30	38.91	39.01	38.68	41.86		39.08	39.14	39.71	39.06	39.72	39.87	40.39	30
31	38.97		38.66	40.75		39.09		39.44		39.75	39.88		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-28-68	0300	44.85									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 09 12	121 44 00	NEL5 15N 2E		51.19	12-25-64	MAR 61-DATE	MAR 61-DATE	1961		0.00	USED

Station located at South Butte Road Bridge, 0.9 mi. E of Sutter. Tributary to Sutter Bypass. This station and one 2.2 mi. downstream are used to determine the slope for rating of canal. Prior records, January 1939 to March 1961, available at a site approximately 0.3 mi. upstream.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02308	TISDALE BYPASS AT RECLAMATION DISTRICT 1660 - PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	23.22	22.98	22.92	23.12	36.16	41.70	25.04	23.02	23.16	22.70	23.26	23.40	1
2	23.30	22.92	22.86	23.12	32.78	40.74	24.92	23.20	23.24	22.60	23.20	23.08	2
3	23.40	22.94	22.94	23.10	32.24	39.58	24.74	23.30	23.20	22.56	23.22	22.80	3
4	23.16	22.92	23.00	23.08	31.96	38.10	24.60	23.16	23.16	22.56	23.20	23.10	4
5	22.60	22.82	23.22	23.00	32.16	36.02	24.38	23.20	23.46	22.82	23.24	23.00	5
6	22.66	22.64	24.42	22.96	31.84	34.46	24.00	23.60	23.44	22.90	23.34	23.30	6
7	22.60	22.64	24.80	22.92	31.60	33.74	23.70	23.90	24.02	23.02	23.22	23.32	7
8	22.60	22.62	25.12	22.98	30.98	33.28	23.50	23.50	25.20	23.10	23.34	23.58	8
9	22.50	22.60	24.68	23.30	30.00	32.88	23.34	23.50	24.84	23.00	23.48	23.60	9
10	22.56	22.58	24.66	23.42	28.94	32.38	23.36	24.28	24.96	22.96	23.32	24.10	10
11	22.56	22.56	24.46	23.40	28.10	31.60	23.32	24.70	24.90	22.94	23.32	24.64	11
12	22.52	22.56	24.10	24.30	27.56	30.70	23.42	24.66	24.60	22.96	23.38	24.72	12
13	22.52	22.58	23.76	27.20	27.10	30.22	23.58	24.46	24.28	22.92	23.18	24.94	13
14	22.52	22.64	23.50	26.66	26.80	29.92	23.60	24.96	23.78	22.76	23.20	24.90	14
15	22.50	22.58	23.38	25.86	26.54	29.52	23.70	24.80	23.60	22.84	23.30	24.56	15
16	22.58	22.58	22.72	37.10	26.22	29.70	23.88	24.70	23.22	22.90	23.38	24.60	16
17	22.70	22.58	22.96	37.40	26.04	30.36	23.56	25.06	23.40	22.88	23.56	24.96	17
18	22.66	22.58	23.00	35.40	26.16	30.60	23.36	25.04	23.66	22.88	23.60	24.70	18
19	22.56	22.66	23.12	33.62	36.80	30.90	23.16	24.80	23.44	22.90	23.60	24.36	19
20	22.56	22.64	23.14	33.40	33.40	30.80	23.32	25.04	23.36	22.96	23.80	24.16	20
21	22.56	22.72	23.14	32.90	38.40	30.60	23.46	24.96	23.20	23.00	23.84	23.96	21
22	22.54	22.70	23.40	32.20	39.82	30.00	23.40	25.00	23.40	22.98	24.30	23.84	22
23	22.58	22.68	23.30	30.78	40.38	29.20	23.10	24.98	23.00	23.08	24.64	23.48	23
24	23.30	22.68	23.28	29.10	41.00	28.36	23.00	24.74	23.30	23.06	24.82	23.60	24
25	23.14	22.62	23.10	27.60	41.50	27.80	23.10	24.50	23.20	23.24	24.60	23.36	25
26	23.10	22.64	23.08	26.52	41.96	27.30	23.54	24.60	22.60	23.12	24.10	23.20	26
27	23.10	22.64	23.08	25.84	42.32	27.10	24.76	24.60	22.80	23.02	23.90	23.14	27
28	23.20	22.66	23.06	25.20	42.42	26.38	23.30	24.66	22.70	23.06	23.62	23.10	28
29	23.18	22.66	23.00	24.82	42.24	26.22	23.30	24.00	22.64	23.04	23.08	23.00	29
30	23.10	22.84	23.02	25.16		25.70	23.10	23.80	23.26	23.04	22.96	22.82	30
31	23.00		23.10	37.10		25.32		23.58		23.22	23.20		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 01 44	121 46 53	SE30 14N 2E				JAN 25-DATE				0.00	USED

Staff located on north levee at Reclamation District 1660 drainage pumping plant, 2.1 mi. E of Tisdale Weir, 6.8 mi. SE of Grimes. Gage read twice daily by pump operators.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A05920	SUTTER BYPASS AT STATE PUMPING PLANT NO. 2

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	28.06	28.49	28.19	28.41	33.04	40.00 E	28.82	29.24	28.56	29.00	28.73	28.11	1
2	28.10	28.53	28.18	28.43	32.72	38.40 E	28.83	29.55	28.58	28.87	28.89	28.27	2
3	27.99	28.52	28.26	28.32	32.65	38.30 E	28.81	29.88	28.89	28.83	28.95	28.42	3
4	27.92	28.51	28.36	28.09	32.62	36.90 E	28.80	29.88	28.89	28.80	29.07	28.38	4
5	28.19	28.49	28.60	28.04	32.61	35.60 E	28.69	29.76	28.76	28.96	29.21	28.50	5
6	28.28	28.50	28.54	27.98	32.55	34.40 E	28.61	29.23	28.83	29.06	28.97	28.58	6
7	28.20	28.57	28.30	27.97	32.31	33.60 E	28.85	28.85	29.19	28.81	28.90	28.54	7
8	28.03	28.57	27.64	27.90	31.99	33.20 E	28.87	29.17	28.50	28.79	28.87	28.47	8
9	27.88	28.54	27.85	27.26	31.68	32.70 E	28.63	29.40	29.04	28.76	28.71	28.59	9
10	27.77	28.52	28.06	26.78	31.13	32.40 E	28.84	29.11	28.83	28.78	28.68	28.66	10
11	27.88	28.52	27.93	26.95	30.36	32.00 E	28.96	28.69	28.65	28.76	28.58	28.42	11
12	27.91	28.51	27.77	27.76	29.58	31.82	28.91	28.59	28.60	28.86	28.52	28.59	12
13	27.87	28.53	27.91	27.99	28.93	31.91	28.67	29.02	28.50	28.86	28.72	28.37	13
14	27.87	28.63	28.03	27.30	28.39	31.82	28.77	28.55	28.68	28.05	28.72	28.18	14
15	27.97	28.68	28.04	27.06 E	27.99	31.82	29.07	28.55	28.64	29.18	28.69	28.26	15
16	27.94	28.61	28.06	28.63 E	27.80	32.03	28.76	29.13	28.86	28.90	28.78	28.63	16
17	27.78	28.56	28.13	34.10 E	27.93	32.25	28.46	28.95	28.63	28.53	28.91	28.51	17
18	27.72	28.57	28.19	33.88 E	28.63	32.22	28.48	28.64	28.24	28.69	28.88	28.46	18
19	28.10	28.57	28.24	33.58	30.93	32.23	28.70	28.68	28.50	28.86	28.69	28.52	19
20	28.27	28.59	28.27	33.19	32.62	32.20	29.14	28.87	28.45	28.81	28.37	28.52	20
21	28.30	28.62	28.32	32.63	33.72 E	31.96	29.32	28.62	28.64	28.91	28.87	28.49	21
22	28.20	28.62	28.36	32.06	35.80 E	31.70	29.41	28.54	28.94	28.94	28.77	28.40	22
23	28.09	28.59	28.34	31.30	37.72 E	31.23	29.04	28.54	28.98	28.73	28.98	28.46	23
24	28.08	28.55	28.32	30.12	39.20 E	30.55	28.96	28.60	28.94	28.89	28.91	28.36	24
25	28.18	28.57	28.32	28.69	39.75 E	29.68	29.22	28.49	28.76	28.91	28.64	28.51	25
26	28.35	28.57	28.28	27.65	40.08 E	28.88	29.59	28.59	28.72	28.90	28.47	28.65	26
27	28.51	28.59	28.24	27.12	40.45 E	28.67	29.71	28.60	28.73	28.80	28.38	28.65	27
28	28.34	28.63	28.16	26.92	40.60 E	28.96	29.53	28.40	28.75	28.68	28.26	28.61	28
29	27.87	28.68	28.20	26.92	40.55 E	28.35	29.09	28.49	28.75	28.66	28.74	28.58	29
30	27.53	28.36	28.29	28.10		27.75	29.09	28.53	28.78	28.94	28.67	28.55	30
31	28.00		28.26	30.82		28.33		28.47		28.91	28.34		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E — ESTIMATED  
NR — NO RECORD  
NF — NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 01 34	121 43 32	SW26 14N 2E				MAY 67-DATE					

Station located on east side of levee at west end of O'Banion Road, 9.8 mi. SW of Yuba City.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02927	SUTTER BYPASS AT RECLAMATION DISTRICT 1500 - PUMPING PLANT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	16.55 E	16.05	15.31	15.54	25.94	34.46	17.99	13.59	13.82	13.17	14.92	14.73	1
2	16.15 E	16.34	15.50	15.47	25.64	34.05	18.12	13.85	13.49	13.14	14.95	14.56	2
3	16.38	16.52	15.58	15.38	24.88	33.38	18.18	14.15	13.41	12.97	15.01	14.51	3
4	17.32	16.34	15.74	15.21	25.17	32.47	17.94	14.93	13.64	12.96	15.10	14.74	4
5	17.45	16.00	16.94	15.08	25.29	31.14	17.46	15.64	13.67	13.15	15.21	14.99	5
6	17.36	15.59	17.61	14.99	24.47	29.64	17.06	16.16	13.76	13.35	15.27	15.26	6
7	17.22	15.32	17.96	14.96	23.31	28.28	16.80	16.25	14.62	13.70	15.29	15.58	7
8	17.13	15.46	17.65	14.87	22.26	27.12	16.47	15.78	15.34	13.75	15.30	15.85	8
9	17.13	15.21	17.66	14.90	21.38	26.01	15.92	15.75	15.19	13.70	15.30	16.16	9
10	16.88	14.66	17.41	15.24	20.73	24.93	15.45	15.91	15.40	13.71	15.29	16.36	10
11	16.60	14.57	16.82	17.04	20.56	23.83	15.42	15.81	15.18	13.69	15.31	16.60	11
12	16.44	14.47	16.31	20.50	20.20	22.69	15.33	15.90	14.82	13.69	15.29	16.67	12
13	16.21	14.54	15.93	19.76	19.72	22.26	15.43	15.99	14.45	13.73	15.17	16.90	13
14	15.94	14.91	15.69	18.28	19.99	23.01	15.16	16.54	13.96	13.88	15.25	16.96	14
15	16.17	15.04	15.61	18.14	19.69	23.86	14.80	17.19	13.68	14.14	15.37	16.87	15
16	16.21	14.88	15.54	22.37	18.87	24.07	14.49	16.70	13.31	14.26	15.52	16.47	16
17	16.17	14.90	15.49	24.45	18.68	24.65	14.03	16.71	13.34	14.25	15.57	16.37	17
18	16.14	14.79	15.60	25.50	21.76	25.71	13.56	16.51	13.36	14.16	15.57	16.13	18
19	16.10	14.78	15.60	25.66	25.25	25.74	13.26	16.33	13.05	14.19	15.52	15.88	19
20	16.15	14.84	15.56	24.66	27.08	24.69	13.06	16.34	12.89	14.26	15.58	15.64	20
21	16.12	14.90	15.52	23.21	30.56	23.20	13.04	16.44	12.94	14.31	15.70	15.54	21
22	16.12	14.84	15.45	21.68	32.95	21.82	13.25	16.24	13.11	14.35	16.27	15.54	22
23	15.94	14.75	15.42	20.11	33.76	20.87	13.33	16.49	13.33	14.41	16.91	15.29	23
24	16.04	14.63	15.36	18.98	34.36	20.28	13.32	16.42	13.37	14.31	16.81	15.25	24
25	16.15	14.62	15.31	18.23	34.50	19.80	13.29	16.34	13.32	14.33	16.50	15.12	25
26	16.27	14.74	15.31	17.67	34.52	19.41	13.53	16.18	13.10	14.44	16.10	15.07	26
27	16.29	14.73	15.38	17.18	34.64	19.07	14.16	16.12	12.76	14.61	15.80	15.06	27
28	16.43	14.74	15.43	16.75	34.72	18.57	14.16	15.93	12.81	14.75	15.57	15.00	28
29	16.30	14.84	15.50	16.60	34.67	18.13	13.73	15.38	13.01	14.80	15.24	14.95	29
30	16.01	15.11	15.57	18.01		17.94	13.43	14.85	13.30	14.75	15.05	14.87	30
31	15.78		15.58	24.13		18.01		14.32		14.85	14.90		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-19-68	0215	25.86	2-28-68	0600	34.74						
2-1-68	2300	26.06									

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		

Station located on west levee, 3.7 mi. SE of Knights Landing.



**TABLE B-11 (Cont.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02170	SACRAMENTO RIVER AT FREMONT WEIR, WEST END

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	18.52	17.91	17.12	17.59	28.20	35.06	19.76	14.90	14.70	15.08	16.94	15.96	1
2	18.18	18.16	17.42	17.51	26.69	34.73	19.88	15.04	14.46	15.04	17.04	15.87	2
3	18.22	18.23	17.48	17.38	25.85	34.33	19.98	15.30	14.50	14.97	17.09	15.83	3
4	18.86	17.98	17.68	17.17	27.38	33.58	19.72	15.98	14.63	15.05	17.20	15.96	4
5	19.05	17.64	19.22	17.00	27.19	32.20	19.20	16.67	14.62	15.25	17.27	16.16	5
6	19.05	17.33	19.87	16.91	25.55	30.24	18.80	17.00	14.67	15.35	17.27	16.44	6
7	18.88	17.03	20.26	16.82	24.43	28.34	18.60	17.20	15.33	15.63	17.32	16.77	7
8	18.78	17.04	19.74	16.70	23.52	27.03	18.14	17.00	15.96	15.72	17.28	17.15	8
9	18.70	16.86	20.00	16.60	22.83	26.22	17.54	16.95	16.36	15.71	17.26	17.40	9
10	18.58	16.47	19.67	16.89	22.34	25.58	17.05	17.05	16.40	15.77	17.27	17.66	10
11	18.35	16.42	18.92	19.52	22.23	24.86	16.92	17.09	16.30	15.77	17.31	17.37	11
12	18.23	16.32	18.40	23.53	21.97	24.10	16.84	17.26	16.04	15.80	17.26	18.03	12
13	18.02	16.36	18.06	22.01	21.58	23.84	16.84	17.45	15.66	15.85	17.24	18.17	13
14	17.87	16.60	17.80	20.24	21.65	24.80	16.66	17.80	15.30	16.08	17.30	18.21	14
15	17.95	16.73	17.58	20.77	21.40	25.85	16.22	18.43	15.00	16.28	17.40	18.36	15
16	17.98	16.73	17.55	25.70	20.77	25.93	15.86	18.18	14.67	16.34	17.48	18.26	16
17	17.97	16.80	17.48	27.43	20.62	26.45	15.46	17.84	14.61	16.34	17.44	18.00	17
18	17.96	16.66	17.54	27.50	24.00	27.94	15.02	17.37	14.65	16.33	17.34	17.76	18
19	17.92	16.73	17.56	26.24	28.02	27.50	14.74	17.22	14.47	16.36	17.14	17.54	19
20	17.88	16.73	17.55	24.25	29.60	25.59	14.56	17.18	14.29	16.34	17.02	17.36	20
21	17.92	16.81	17.50	22.78	32.25	23.99	14.56	17.25	14.41	16.42	17.37	17.29	21
22	17.95	16.72	17.44	21.75	34.08	22.86	14.80	17.14	14.62	16.42	18.03	17.32	22
23	17.86	16.62	17.41	20.83	34.62	22.18	14.81	17.42	14.76	16.41	18.81	17.17	23
24	17.93	16.52	17.38	20.17	34.98	21.74	14.84	17.40	14.77	16.37	18.38	17.16	24
25	18.00	16.50	17.32	19.68	35.13	21.31	14.87	17.27	14.69	16.42	17.82	17.03	25
26	18.09	16.58	17.32	19.30	35.15	20.99	15.10	17.17	14.62	16.49	17.48	16.95	26
27	18.11	16.54	17.38	18.99	35.25	20.72	15.48	16.97	14.55	16.60	17.16	16.97	27
28	18.21	16.52	17.46	18.64	35.31	20.37	15.50	16.66	14.72	16.80	16.99	16.89	28
29	18.13	16.59	17.58	18.42	35.23	19.89	14.97	16.18	15.03	16.88	16.77	16.85	29
30	17.90	16.84	17.61	20.97		19.72	14.76	15.70	15.18	16.84	16.44	16.75	30
31	17.78		17.60	26.65		19.80		15.16		16.85	16.16		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

E - ESTIMATED  
 NR - NO RECORD  
 NF - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 45 34	121 39 59	NW 32 11N 3E		39.7	12-23-1955		AUG 1934-DATE	1934		0.00	USED

Station located 0.1 mile west of weir, 4.0 miles southeast of Knights Landing.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02160	SACRAMENTO RIVER AT FREMONT WEIR, EAST END

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NF	NF	NF	NF	NF	34.44	NF	NF	NF	NF	NF	NF	1
2	NF	NF	NF	NF	NF	34.14	NF	NF	NF	NF	NF	NF	2
3	NF	NF	NF	NF	NF	33.72	NF	NF	NF	NF	NF	NF	3
4	NF	NF	NF	NF	NF	33.30 A	NF	NF	NF	NF	NF	NF	4
5	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	5
6	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	6
7	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	7
8	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	8
9	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	9
10	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	10
11	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	11
12	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	12
13	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	13
14	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	14
15	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	15
16	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	16
17	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	17
18	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	18
19	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	19
20	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	20
21	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	21
22	NF	NF	NF	NF	NF	33.73 A	NF	NF	NF	NF	NF	NF	22
23	NF	NF	NF	NF	NF	33.99	NF	NF	NF	NF	NF	NF	23
24	NF	NF	NF	NF	NF	34.38	NF	NF	NF	NF	NF	NF	24
25	NF	NF	NF	NF	NF	34.48	NF	NF	NF	NF	NF	NF	25
26	NF	NF	NF	NF	NF	34.50	NF	NF	NF	NF	NF	NF	26
27	NF	NF	NF	NF	NF	34.57	NF	NF	NF	NF	NF	NF	27
28	NF	NF	NF	NF	NF	34.61	NF	NF	NF	NF	NF	NF	28
29	NF	NF	NF	NF	NF	34.58	NF	NF	NF	NF	NF	NF	29
30	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	30
31	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	NF	31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A - Mean gage height for period of spill over Fremont Weir.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 45 55	121 38 05	SW 27 11N 3E		39.3	3-10-1940		APRIL 1935-DATE	1935		0.00	USED

Station located approximately 200 feet north of weir, 5.2 miles southeast of Knights Landing. Gage heights recorded only during periods when there is spill over weir.



**DAILY MEAN GAGE HEIGHT**  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A05791	FEATHER RIVER AT OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.27	2.24	1.06	0.58	0.57	0.90	0.59	0.59	0.59	0.55	0.57	0.56	1
2	2.50	2.40	1.06	0.58	0.58	0.95	0.56	0.60	0.59	0.56	0.57	0.56	2
3	3.14	2.33	1.05	0.58	0.58	0.95	0.60	0.57	0.59	0.56	0.58	0.57	3
4	2.73	2.07	1.05	0.59	0.58	0.96	0.61	0.57	0.57	0.55	0.58	0.58	4
5	2.54	1.74	1.04	0.60	0.58	0.93	0.61	0.57	0.55	0.56	0.57	0.55	5
6	2.50	2.02	1.03	0.60	0.58	0.75	0.60	0.57	0.55	0.55	0.57	0.55	6
7	2.57	2.20	1.03	0.60	0.58	0.60	0.58	0.58	0.55	0.56	0.57	0.55	7
8	2.39	1.46	1.03	0.61	0.57	0.57	0.58	0.56	0.54	0.57	0.57	0.55	8
9	2.32	1.25	1.03	0.58	0.57	0.57	0.58	0.57	0.53	0.56	0.57	0.54	9
10	2.35	1.25	1.03	0.60	0.58	0.58	0.58	0.57	0.53	0.56	0.57	0.55	10
11	2.03	1.23	1.02	0.59	0.59	0.60	0.58	0.58	0.54	0.56	0.57	0.55	11
12	1.83	1.58	1.02	0.59	0.60	0.59	0.59	0.59	0.54	0.56	0.56	0.56	12
13	1.86	1.43	1.02	0.60	0.61	0.59	0.59	0.66	0.53	0.57	0.56	0.57	13
14	2.26	1.42	1.02	0.58	0.67	0.56	0.58	0.58	0.56	0.57	0.56	0.58	14
15	2.24	1.21	1.02	0.58	0.92	0.58	0.58	0.57	0.55	0.57	0.55	0.58	15
16	2.10	1.07	1.03	0.58	0.95	0.60	0.57	0.57	0.55	0.57	0.55	0.57	16
17	2.26	1.05	1.03	0.59	0.93	0.57	0.54	0.58	0.56	0.57	0.57	0.58	17
18	2.15	1.06	1.04	0.58	0.95	0.58	0.53	0.58	0.56	0.57	0.57	0.58	18
19	2.14	1.07	1.03	0.57	0.96	0.55	0.56	0.57	0.55	0.57	0.57	0.58	19
20	2.10	1.07	1.03	0.57	0.96	0.60	0.58	0.57	0.54	0.57	0.57	0.58	20
21	1.85	1.06	1.03	0.59	0.97	0.58	0.59	0.57	0.56	0.57	0.55	0.57	21
22	1.84	1.06	0.97	0.59	0.96	0.56	0.58	0.58	0.56	0.57	0.55	0.56	22
23	1.93	1.07	0.95	0.59	0.96	0.65	0.58	0.59	0.56	0.57	0.55	0.55	23
24	2.10	1.14	0.95	0.57	0.95	0.89	0.58	0.60	0.56	0.57	0.55	0.55	24
25	2.11	1.41	0.95	0.57	0.94	0.59	0.58	0.60	0.56	0.56	0.56	0.54	25
26	2.22	1.42	0.85	0.57	0.95	0.59	0.58	0.60	0.55	0.56	0.56	0.54	26
27	2.01	1.42	0.79	0.58	0.96	0.59	0.58	0.60	0.56	0.56	0.56	0.55	27
28	1.60	1.37	0.72	0.58	0.96	0.60	0.58	0.59	0.56	0.56	0.57	0.55	28
29	1.56	1.07	0.60	0.60	0.97	0.59	0.58	0.59	0.55	0.56	0.57	0.55	29
30	1.71	1.06	0.58	0.60		0.59	0.59	0.59	0.54	0.56	0.56	0.54	30
31	2.21		0.58	0.57		0.59		0.59		0.57	0.56		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-3	0400	3.70									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 31 13	121 32 48	NE 8 19N 4E	230,000		3-19-1907	OCT 1901-DATE	OCT 1901-DATE	1912	1934	139.53	USCGS
								1934	1962	182.02	USCGS
								1962	1964	0.00	USCGS
								1964		148.97	USCGS

Station located 300 feet above Fish Barrier Dam, 0.6 mile northeast of Oroville. Flow partly regulated by reservoirs and powerplants. Maximum discharge listed at site then in use (approximately 167.5 feet USCGS Datum). Records furnished by U. S. Geological Survey. Drainage area is 3,626 square miles.

TABLE B-11 (Cont.)  
DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A05165	FEATHER RIVER NEAR GRIDLEY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	24.41	25.91	24.61 E	24.51	24.57	24.52	24.53	25.41	25.61	24.19	24.07	24.43	1
2	25.35	26.17	24.60 E	24.51	24.61	24.52	24.52	25.48	25.54	24.11	24.05	24.43	2
3	26.58	26.10	24.60 E	24.51	24.59	24.54	24.53	26.13	25.49	24.05	24.05	24.43	3
4	26.26	25.93	24.59 E	24.50	24.58	24.53	24.54	26.37	25.39	24.03	24.05	24.43	4
5	25.90	25.45	24.58 E	24.52	24.56	24.54	24.53	26.38	25.25	24.01	24.05	24.45	5
6	25.88	25.45	24.58 E	24.53	24.54	24.54	24.50	26.22	24.92	24.02	24.04	24.45	6
7	25.96	25.99	24.58 E	24.53	24.56	24.56	24.49	25.66	24.50	24.02	24.03	24.44	7
8	25.75	25.51	24.58 E	24.53	24.55	24.54	24.50	25.51	24.49	24.03	24.03	24.43	8
9	25.74	24.80	24.58 E	24.53	24.53	24.51	24.50	25.11	24.47	24.02	24.03	24.44	9
10	25.60	24.80	24.58 E	24.58	24.53	24.51	24.50	24.49	24.47	24.02	24.03	24.43	10
11	25.43	24.77	24.58 E	24.52	24.53	24.52	24.50	24.48	24.47	24.02	24.03	24.43	11
12	25.17	24.96	24.58 E	24.52	24.53	24.52	24.50	24.49	24.46	24.01	24.02	24.44	12
13	24.86	25.46	24.57 E	24.52	26.01	24.57	24.48	24.75	24.43	24.02	24.01	24.44	13
14	25.65	25.28	24.57 E	24.54	25.29	24.55	24.48	25.88	24.44	24.02	24.01	24.44	14
15	25.59	24.75	24.57 E	24.57	24.62	24.55	24.47	24.51	24.62	24.02	24.01	24.42	15
16	25.57	24.65	24.58 E	24.54	24.60	24.60	24.29	25.21	24.80	24.02	24.01	24.57	16
17	25.62	24.58	24.58 E	24.52	24.60	24.57	24.43	25.62	24.81	24.01	24.02	24.48	17
18	25.52	24.57	24.59 E	24.48	24.57	24.55	24.44	25.86	24.81	24.01	24.02	24.45	18
19	25.48	24.59	24.59 E	24.45	24.59	24.54	24.44	25.83	24.86	24.00	24.13	24.43	19
20	25.42	24.58	24.59 E	24.35	24.68	24.56	24.44	25.57	25.07	24.00	24.19	24.42	20
21	25.35	24.57	24.55	24.44	24.68	24.57	24.46	24.70	25.08	24.00	24.19	24.42	21
22	25.02	24.58 E	24.55	24.47	24.66	24.56	24.55	25.68	25.32	24.01	24.19	24.41	22
23	25.23	24.58 E	24.51	24.49	24.63	24.55	24.83	25.83	25.37	24.01	24.21	24.41	23
24	25.35	24.76 E	24.50	24.52	24.59	24.52	24.82	25.98	25.30	24.01	24.22	24.41	24
25	25.56	25.01 E	24.50	24.61	24.57	24.58	24.81	26.03	24.95	24.00	24.22	24.41	25
26	25.55	25.01 E	24.53	24.57	24.56	24.50	24.81	26.04	24.60	23.99	24.38	24.40	26
27	25.67	25.02 E	24.49	24.54	24.56	24.54	24.82	26.08	24.44	23.99	24.42	24.41	27
28	25.37	24.98 E	24.53	24.55	24.56	24.53	24.85	26.09	24.42	24.00	24.41	24.41	28
29	25.20	24.62 E	24.53	24.61	24.56	24.53	24.92	25.95	24.37	24.00	24.41	24.41	29
30	25.08	24.62 E	24.51	24.64		24.54	25.23	25.81	24.41	24.00	24.41	24.42	30
31	25.80		24.51	24.58		24.54		25.73		24.03	24.43		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-3-67	0915	27.13									
2-13-68	1945	27.24									

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 22 01	121 38 43	SW 33 18N 3E		102.25	12-23-1955	JAN 1944-DATE	MAR 29-MAY 37 # OCT 37-APR 39 NOV 39-JUL 40 OCT 40-JUL 43 OCT 43-DATE	1929	1929	0.00 -2.91	USED USCGS

Station located near highway bridge, 2.7 miles east of Gridley. Subsequent to 1962, tabulations include all left bank overflow. Records of discharge published prior to 1963 listed only that water in the main channel. Drainage area is 3,676 square miles.

# - Flood season only.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A05135	FEATHER RIVER AT YUBA CITY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	41.54	40.12	39.73	41.62	42.62	41.83	41.55	41.59	39.33	38.69	39.30	1
2	NR	41.80	40.02	39.73	41.47	42.41	41.83	41.61	41.47	38.91	38.69	39.31	2
3	42.91	42.01	40.03	39.72	42.68	42.23	41.61	42.04	41.42	38.82	38.69	39.31	3
4	42.49	41.86	40.20	39.72	41.95	42.09	41.44	42.73	41.29	38.80	38.68	39.31	4
5	42.14	41.24	40.33	39.72	41.31	42.01	41.32	42.79	41.18	38.84	38.69	39.33	5
6	41.97	40.89	40.21	39.78	41.07	41.92	41.25	42.79	41.00	38.78	38.69	39.37	6
7	41.83	41.58	40.18	39.85	41.03	41.86	41.19	42.17	40.43	38.75	38.68	39.41	7
8	41.79	41.47	40.18	39.89	41.02	41.96	41.10	41.82	40.27	38.75	38.68	39.46	8
9	41.64	40.33	40.03	39.98	40.89	42.01	41.04	41.65	40.20	38.72	38.68	39.52	9
10	41.29	40.14	39.97	40.23	41.24	41.74	41.10	40.84	40.18	38.71	38.68	39.54	10
11	41.33	40.09	39.93	40.46	41.19	41.54	41.17	40.56	40.11	38.73	38.68	39.51	11
12	40.84	40.20	39.87	40.17	40.94	41.48	41.21	40.55	39.96	38.73	38.68	39.60	12
13	40.42	40.71	39.85	39.97	41.45	42.74	41.17	40.57	39.88	38.73	38.61	39.67	13
14	41.04	41.08	39.84	39.99	42.64	43.26	41.01	41.95	39.80	38.76	38.57	39.62	14
15	41.34	40.24	39.84	40.74	41.19	42.84	40.94	41.19	39.79	38.82	38.58	39.60	15
16	41.32	40.04	39.88	40.89	40.94	42.75	40.72	41.25	40.17	38.75	38.58	39.57	16
17	41.19	39.87	39.89	40.54	42.00	43.96	40.62	41.19	40.20	38.71	38.62	39.80	17
18	41.29	39.80	39.96	40.95	44.51	43.10	40.59	41.94	40.12	38.71	38.63	39.55	18
19	41.03	39.88	39.91	40.60	43.10	42.45	40.52	41.95	40.09	38.71	38.78	39.48	19
20	41.16	39.94	39.88	40.25	48.36	42.07	40.44	41.84	40.34	38.71	38.99	39.53	20
21	41.12	39.88	39.86	40.17	48.93	41.87	40.45	40.99	40.48	38.71	39.03	39.55	21
22	40.60	39.87	39.85	40.10	48.44	41.73	40.41	41.41	40.59	38.71	39.03	39.55	22
23	40.73	39.85	39.78	40.11	46.68	41.64	40.62	41.83	40.87	38.70	39.07	39.53	23
24	40.80	39.84	39.74	40.12	46.60	41.55	40.72	42.05	40.85	38.69	39.07	39.50	24
25	41.19	40.18	39.74	40.19	44.96	41.54	40.75	42.14	40.62	38.69	39.04	39.51	25
26	41.13	40.25	39.74	40.17	44.04	41.65	40.78	42.19	40.01	38.69	39.07	39.54	26
27	41.38	40.27	39.77	40.06	43.56	41.62	40.85	42.24	39.60	38.69	39.31	39.54	27
28	41.27	40.30	39.72	40.06	43.19	41.51	40.95	42.21	39.43	38.69	39.33	39.55	28
29	40.72	40.31	39.74	40.16	42.86	41.53	40.91	42.14	39.36	38.68	39.32	39.53	29
30	40.54	40.17	39.75	42.46		41.69	41.20	41.84	39.43	38.68	39.29	39.56	30
31	41.06		39.71	43.17		41.81		41.75		38.68	39.28		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1/30/68	1930	44.41	3/17/68	0415	44.27						
2/21/68	2200	50.13									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 08 20	121 36 17	NE 23 15N 3E		82.42	12-24-1955	JUL 44-OCT 45 JAN 46-SEPT 63	NOV 1943-DATE	1943		0.00	USED
								1943		-3.0	USCGS

Station located at Sacramento Northern Railroad bridge. Backwater from Yuba River at times affects stage-discharge relationship. Drainage area is 3,977 square miles.

♠ - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A61430	YUBA RIVER AT ENGLEBRIGHT DAM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NF	NF	NF	NF	27.77	28.76	28.55	28.18	27.64	NF	NF	NF	1
2	NF	NF	NF	NF	28.00	28.62	28.49	28.18	27.62	NF	NF	NF	2
3	NF	NF	NF	NF	28.54	28.52	28.36	28.18	27.60	NF	NF	NF	3
4	NF	NF	NF	NF	28.36	28.51	28.27	28.23	27.45	NF	NF	NF	4
5	NF	NF	NF	NF	28.22	28.46	28.24	28.22	27.13	NF	NF	NF	5
6	NF	NF	NF	NF	28.23	28.46	28.20	28.16	26.99	NF	NF	NF	6
7	NF	NF	NF	NF	28.27	28.39	28.15	28.07	27.10	NF	NF	NF	7
8	NF	NF	NF	NF	28.27	28.44	28.12	28.01	27.11	NF	NF	NF	8
9	NF	NF	NF	NF	28.27	28.34	28.12	28.01	26.95 A	NF	NF	NF	9
10	NF	NF	NF	NF	28.48	28.20	28.16	28.00	NF	NF	NF	NF	10
11	NF	NF	NF	NF	28.31	28.17	28.27	27.98	NF	NF	NF	NF	11
12	NF	NF	NF	NF	28.25	28.15	28.32	27.95	NF	NF	NF	NF	12
13	NF	NF	NF	NF	28.40	28.47	28.27	27.94	NF	NF	NF	NF	13
14	NF	NF	NF	NF	28.36	28.53	28.22	27.95	NF	NF	NF	NF	14
15	NF	NF	NF	NF	28.22	28.48	28.21	27.85	NF	NF	NF	NF	15
16	NF	NF	NF	NF	28.14	28.70	28.20	27.80	NF	NF	NF	NF	16
17	NF	NF	NF	28.15	29.09	28.87	28.12	27.76	NF	NF	NF	NF	17
18	NF	NF	NF	28.12	29.82	28.68	28.03	27.77	NF	NF	NF	NF	18
19	NF	NF	NF	27.90	29.37	28.42	27.99	27.80	26.95 A	NF	NF	NF	19
20	NF	NF	NF	27.75	31.71	28.31	27.97	27.87	NF	NF	NF	NF	20
21	NF	NF	NF	27.67	31.82	28.25	27.93	27.94	NF	NF	NF	NF	21
22	NF	NF	NF	27.67	31.26	28.22	27.90	27.89	NF	NF	NF	NF	22
23	NF	NF	NF	27.71	31.12	28.20	27.87	27.82	NF	NF	NF	NF	23
24	NF	NF	NF	27.72	30.76	28.18	27.87	27.74	NF	NF	NF	NF	24
25	NF	NF	NF	27.68	29.93	28.21	27.87	27.71	NF	NF	NF	NF	25
26	NF	NF	NF	27.66	29.58	28.36	27.90	27.74	NF	NF	NF	NF	26
27	NF	NF	NF	27.64	29.33	28.28	27.95	27.72	NF	NF	NF	NF	27
28	NF	NF	NF	27.62	29.09	28.26	27.98	27.72	NF	NF	NF	NF	28
29	NF	NF	NF	27.62	28.92	28.33	28.03	27.72	NF	NF	NF	NF	29
30	NF	NF	NF	28.37		28.47	28.13	27.70	NF	NF	NF	NF	30
31	NF	NF	NF	27.86		28.54		27.68		NF	NF	NF	31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD,  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-21	1500	32.41									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 14 22	121 16 00	SE 14 16N 6E	171000	546.14	12-22-1964	OCT 1941-DATE	OCT 1941-DATE	1941 1950	1958	526.99 0.00	USCGS USCGS

Station located above spillway of Englebright Dam, 1.0 mile above Deer Creek, 2.5 miles northeast of Smartville. Flow regulated by Lake Spaulding, Englebright Reservoir, Bowman Lake, Fordyce Lake, and many smaller reservoirs. Maximum discharge listed includes flow through powerhouse. Records furnished by USGS. Drainage area is 1,108 square miles (Revised).



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A06150	YUBA RIVER NEAR MARYSVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	60.05	59.77	60.30	60.18	61.84	NR	63.04	61.68	60.59	58.79	59.07	59.04	1
2	60.00	59.80	60.16	60.19	62.19	NR	63.04	61.72	60.51	58.75	59.07	59.05	2
3	60.21	59.74	60.18	60.20	63.04	NR	62.77	61.69	60.44	58.74	59.07	59.05	3
4	60.27	59.74	60.43	60.20	62.85	NR	62.57	61.78	60.53	58.78	59.07	59.01	4
5	60.54	59.78	60.74	60.26	62.40	NR	62.50	61.80	60.49	58.91	59.06	59.00	5
6	60.56	59.84	60.38	60.31	62.26	NR	62.45	61.71	60.40	58.80	59.04	58.98	6
7	60.54	59.80	60.58	60.50	62.34	NR	62.43	61.50	60.36	58.79	59.04	58.99	7
8	60.52	59.78	60.54	60.51	62.32	NR	62.25	61.36	60.44	58.75	59.05	58.98	8
9	60.42	59.78	60.31	60.51	62.24	NR	62.17	61.28	60.39	58.73	59.08	58.99	9
10	60.22	59.75	60.27	60.94	62.74	NR	62.20	61.29	60.39	58.73	59.04	58.97	10
11	60.21	59.63	60.24	60.94	62.61	NR	62.34	61.30	60.24	58.98	59.08	58.98	11
12	60.18	59.60	60.23	60.44	62.27	NR	62.44	61.28	59.67	59.05	59.09	58.97	12
13	60.17	59.60	60.22	60.35	62.42	NR	62.36	61.20	59.60	59.07	59.08	58.96	13
14	60.16	59.64	60.22	60.57	62.55	NR	62.21	61.35	59.79	58.95	59.12	58.96	14
15	59.97	59.68	60.20	61.49	62.24	63.30	62.15	61.12	59.75	58.93	59.12	58.97	15
16	59.91	59.75	60.20	61.00	62.10	63.46	62.11	60.99	59.60	58.90	59.13	58.97	16
17	59.85	59.76	60.20	61.40	63.46	64.20	61.99	60.86	59.47	58.93	59.14	58.97	17
18	59.82	59.76	60.20	62.20	65.01	63.65	61.74	60.88	59.37	58.90	59.15	58.95	18
19	59.87	59.85	60.21	61.80	64.04	63.23	61.56	60.90	59.33	58.88	59.17	58.93	19
20	59.88	59.94	60.23	61.54	67.91	62.92	61.44	61.00	59.36	58.89	59.21	58.91	20
21	59.84	59.98	60.22	61.36	NR	62.76	61.34	61.21	59.30	58.87	59.28	58.92	21
22	59.88	59.98	60.19	61.26	NR	62.66	61.20	61.18	59.18	58.83	59.30	58.92	22
23	59.87	59.99	60.17	61.25	NR	62.61	61.09	61.05	NR	58.78	59.29	58.91	23
24	59.88	59.98	60.15	61.27	NR	62.57	61.05	60.87	NR	58.76	59.27	58.90	24
25	59.85	59.88	60.15	61.22	NR	62.56	61.05	60.74	NR	58.76	59.18	58.89	25
26	59.71	59.67	60.16	61.18	NR	62.75	61.08	60.81	NR	58.74	59.14	58.89	26
27	59.63	59.73	60.16	61.15	NR	62.70	61.18	60.81	58.84	58.72	59.17	58.89	27
28	59.70	59.80	60.15	61.13	NR	62.58	61.28	60.77	58.79	59.08	59.15	58.88	28
29	59.81	60.05	59.97	61.10	NR	62.66	61.35	60.75	58.77	59.07	59.12	58.86	29
30	59.77	60.38	60.18	63.46	62.86	62.86	61.55	60.70	58.79	59.05	59.07	58.87	30
31	59.83		60.18	62.50	62.98	62.98		60.68		59.07	59.04		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-20	1300	68.69									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 10 35	121 31 25		180,000	90.15	12-22-1964	JUL 39-DEC 44 0 APR 45-DATE	MAY 1940-DATE	1939		0.00	USED
								1939		-2.95	USCGS

Station located 5 miles below Dry Creek, 4.2 miles northeast of Marysville. Maximum discharge listed for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is 1,339 square miles.

0 - Irrigation season only.

TABLE B-11 (Cont.)  
 DAILY MEAN GAGE HEIGHT  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A05120	FEATHER RIVER BELOW SHANGHAI BEND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	33.03	34.39	33.23	32.86	35.51	36.64	35.48	34.75	34.51	31.86	31.18	31.92	1
2	32.99	34.59	33.11	32.87	35.21	36.28	35.52	34.88	34.35	31.48	31.25	31.93	2
3	34.98	34.80	33.10	32.87	36.93	35.91	35.20	35.19	34.28	31.37	31.23	31.95	3
4	35.37	34.65	33.33	32.87	36.17	35.54	34.98	35.95	34.14	31.35	31.23	31.95	4
5	35.17	34.19	33.57	32.85	35.28	35.35	34.85	36.13	34.05	31.41	31.26	31.95	5
6	35.00	33.82	33.40	32.92	34.93	35.18	34.77	36.13	33.85	31.34	31.22	31.96	6
7	34.84	34.36	33.36	33.08	34.88	35.08	34.68	35.47	33.33	31.28	31.13	32.01	7
8	34.87	34.39	33.40	33.10	34.85	35.19	34.57	35.00	33.17	31.27	31.13	32.05	8
9	34.67	33.36	33.18	33.20	34.70	35.32	34.48	34.81	33.11	31.21	31.12	32.10	9
10	34.30	33.08	33.11	33.52	35.13	35.00	34.50	34.10	33.08	31.18	31.20	32.13	10
11	34.32	33.04	33.06	33.83	35.12	34.72	34.62	33.74	33.00	31.27	31.21	32.13	11
12	33.86	33.10	33.00	33.39	34.72	34.62	34.71	33.73	32.64	31.33	31.27	32.16	12
13	33.50	33.56	32.94	33.12	35.12	36.04	34.67	33.71	32.49	31.33	31.24	32.24	13
14	33.89	33.95	32.92	33.24	36.69	37.03	34.49	34.90	32.47	31.34	31.25	32.19	14
15	34.26	33.24	32.92	34.15	35.05	36.59	34.38	34.58	32.47	31.42	31.27	32.17	15
16	34.17	33.01	32.96	34.35	34.65	36.40	34.19	34.19	32.74	31.30	31.28	32.11	16
17	34.06	32.85	33.01	33.98	35.87	38.14	34.00	34.11	32.77	31.26	31.29	32.35	17
18	34.17	32.76	33.08	34.75	39.31	37.12	33.89	34.94	32.67	31.27	31.29	32.15	18
19	33.90	32.88	33.00	34.27	37.59	36.22	33.73	34.98	32.66	31.26	31.42	NR	19
20	34.06	32.97	33.00	33.83	43.40	35.70	33.62	34.93	32.81	31.26	31.68	NR	20
21	34.03	32.96	33.00	33.64	44.38	35.43	33.58	34.22	32.90	31.25	31.74	NR	21
22	33.57	32.92	33.00	33.56	44.04	35.24	33.53	34.32	33.03	31.24	31.77	NR	22
23	33.63	32.91	32.90	33.54	41.78	35.14	33.62	34.91	33.29	31.18	31.79	NR	23
24	33.72	32.90	32.87	33.55	41.80	35.05	33.75	35.07	33.29	31.13	31.80	NR	24
25	34.04	33.11	32.85	33.60	39.70	35.01	33.77	35.10	33.10	31.15	31.79	NR	25
26	33.98	33.19	32.85	33.59	38.47	35.18	33.82	35.15	32.54	31.14	31.76	NR	26
27	34.16	33.20	32.85	33.51	37.81	35.18	33.90	35.24	32.10	31.14	31.97	NR	27
28	34.17	33.25	32.85	33.48	37.43	35.03	34.05	35.18	31.91	31.14	32.00	NR	28
29	33.62	33.33	32.69	33.57	37.00	35.04	34.05	35.10	31.84	31.15	31.99	NR	29
30	33.47	33.29	32.87	36.24		35.25	34.32	34.80	31.91	31.16	31.95	NR	30
31	33.88		32.86	37.43		35.43		34.70		31.16	31.92		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-21-68	2400	45.65									
5-6-68	0700	36.21									

E - ESTIMATED  
 NR - NO RECORD  
 NF - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 04 44	121 36 08	NE 11 14N 3E		76.8	12-24-1955	JUN 44-OCT 45 # JAN 46-DATE	NOV 26-MAY 37 # OCT 37-MAY 39 NOV 39-JUL 41 NOV 41-JUL 43 # OCT 43-DATE	1926		0.00	USED
								1926		-3.01	USCGS

Station located approximately 4 miles south of Yuba City. Flow partly regulated by reservoirs and powerplants. Drainage area is 5,337 square miles.

# - Irrigation season only.  
 # - Flood season only.



**TABLE B-11 (Cont.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A06550	BEAR RIVER NEAR WHEATLAND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	0.49	0.62	0.76	0.79	0.69	3.15	2.32	0.67	0.68	0.66	0.68	0.58	1
2	0.51	0.62	0.75	0.79	0.83	3.09	2.78	0.72	0.67	0.65	0.69	0.58	2
3	0.78	0.62	0.76	0.79	0.73	3.02	2.93	0.75	0.68	0.63	0.69	0.58	3
4	0.48	0.62	0.77	0.79	0.72	3.02	2.86	0.77	0.65	0.62	0.72	0.60	4
5	0.41	0.63	0.77	0.79	1.23	2.96	2.72	0.79	0.62	0.63	0.70	0.61	5
6	0.40	0.64	0.75	0.79	1.90	2.98	2.73	0.80	0.69	0.59	0.65	0.61	6
7	0.40	0.64	0.78	0.79	2.01	2.86	2.64	0.78	0.80	0.62	0.60	0.61	7
8	0.57	0.63	0.76	0.79	2.27	2.84	2.56	0.75	0.71	0.60	0.56	0.61	8
9	0.68	0.63	0.76	0.79	2.82	2.87	2.65	0.76	0.72	0.55	0.59	0.62	9
10	0.68	0.64	0.76	0.87	3.03	3.10	2.75	0.78	0.70	0.58	0.65	0.63	10
11	0.68	0.65	0.76	0.80	3.07	3.16	2.03	0.79	0.66	0.58	0.64	0.66	11
12	0.68	0.63	0.76	0.80	2.87	3.14	1.77	0.81	0.66	0.62	0.64	0.62	12
13	0.68	0.55	0.76	0.80	2.43	3.27	1.73	0.87	0.65	0.65	0.63	0.61	13
14	0.72	0.66	0.76	0.81	2.17	3.88	1.73	0.85	0.64	0.64	0.63	0.61	14
15	0.74	0.74	0.77	0.91	1.93	4.02	NR	0.76	0.64	0.64	0.62	0.59	15
16	0.75	0.73	0.77	0.82	1.82	4.14	NR	0.75	0.63	0.65	0.61	0.58	16
17	0.76	0.85	0.77	0.80	2.33	4.72	NR	0.79	0.62	0.66	0.76	0.56	17
18	0.76	1.02	0.78	0.78	3.02	4.36	NR	0.80	0.56	0.65	0.61	0.53	18
19	0.75	0.90	0.78	0.66	2.88	4.01	NR	0.79	0.57	0.60	0.65	0.51	19
20	0.66	0.75	0.78	0.62	6.76	3.83	NR	0.78	0.58	0.58	0.64	0.48	20
21	0.64	0.67	0.78	0.63	6.69	3.62	NR	0.78	0.57	0.57	0.61	0.40	21
22	0.65	0.73	0.78	0.64	6.00	3.51	NR	0.78	0.60	0.58	0.63	0.40	22
23	0.65	0.74	0.78	0.64	5.13	3.50	0.77	0.77	0.61	0.65	0.60	0.39	23
24	0.65	0.74	0.78	0.64	4.78	3.40	0.80	0.76	0.59	0.66	0.59	0.34	24
25	0.64	0.74	0.79	0.64	4.31	3.38	0.74	0.77	0.57	0.66	NR	0.39	25
26	0.64	0.75	0.79	0.64	3.96	3.08	0.75	0.76	0.56	0.65	NR	NR	26
27	0.66	0.75	0.79	0.64	3.69	2.60	0.76	0.75	0.55	0.66	NR	NR	27
28	0.64	0.75	0.79	0.65	3.48	2.40	0.75	0.78	0.60	0.67	NR	4.06	28
29	0.63	0.77	0.79	0.66	3.31	2.27	0.75	0.76	0.63	0.67	0.56	0.69	29
30	0.64	0.80	0.79	1.15	0.64	2.28	0.70	0.76	0.65	0.68	0.55	0.73	30
31	0.64		0.79	0.77		2.27				0.68	0.57		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E - ESTIMATED  
 NR - NO RECORD  
 NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-20	1000	7.33									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 00 00	121 24 20	SW 3 13N 5E	33,000	19.30	12-22-1955	OCT 1928-DATE	OCT 1928-DATE	1928	1943	81.50	USCGS
								1943		76.92	USCGS

Station located 100 feet below U. S. Highway 99E bridge, 1 mile southeast of Wheatland. Tributary to Feather River. Flow regulated by New Camp Far West Reservoir. Records furnished by U. S. Geological Survey. Drainage area is 292 square miles.

TABLE B-11 (Cont.)  
DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A05103	FEATHER RIVER AT NICOLAUS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	22.30	23.10	22.20	21.81	26.55	34.43	24.05	23.23	23.30	20.96	19.92	20.93	1
2	22.02	23.22	22.12	21.81	25.39	33.96	24.18	23.39	23.18	20.63	20.02	20.97	2
3	22.98	23.44	22.08	21.80	25.83	33.25	24.09	23.52	23.08	20.35	20.02	20.98	3
4	23.80	23.38	22.17	21.79	26.16	32.30	23.87	24.12	22.92	20.26	20.01	20.97	4
5	23.59	23.20	22.35	21.78	25.61	30.85	23.71	24.42	22.90	20.33	20.06	20.95	5
6	23.40	22.88	22.39	21.80	24.68	28.92	23.65	24.47	22.75	20.28	20.07	20.98	6
7	23.40	23.02	22.21	21.90	24.02	27.06	23.57	24.17	22.55	20.16	19.97	21.03	7
8	23.45	23.25	22.33	21.92	23.69	25.93	23.45	23.70	22.24	20.11	19.90	21.10	8
9	23.31	22.75	22.20	21.96	23.51	25.42	23.39	23.49	22.17	20.08	19.98	21.14	9
10	23.20	22.35	22.10	22.10	23.67	24.95	23.39	23.17	22.15	20.04	20.01	21.21	10
11	23.13	22.28	22.06	22.54	23.90	24.44	23.44	22.75	22.08	20.00	20.03	21.22	11
12	22.90	22.22	22.02	22.44	23.61	24.06	23.29	22.63	21.86	20.08	20.02	21.24	12
13	22.73	22.46	21.98	22.13	23.38	24.55	23.30	22.63	21.69	20.12	20.08	21.34	13
14	22.64	22.78	21.96	22.12	24.93	26.29	23.19	23.11	21.64	20.12	20.08	21.34	14
15	23.03	22.52	21.94	22.45	24.80	26.47	23.28	23.65	21.63	20.26	20.11	21.32	15
16	23.02	22.22	21.96	23.86	23.22	26.18	23.13	22.85	21.70	20.18	20.15	21.30	16
17	22.96	22.12	21.94	24.52	23.53	27.89	22.93	23.03	21.84	20.06	20.21	21.38	17
18	23.02	22.05	22.00	25.20	27.52	27.97	22.82	23.45	21.72	20.08	20.18	21.35	18
19	22.90	22.06	22.00	24.58	27.53	27.10	22.66	23.61	21.64	20.02	20.29	21.25	19
20	22.92	22.09	21.98	23.37	31.82	25.93	22.57	23.62	21.69	20.01	20.51	21.22	20
21	22.88	22.08	21.96	22.63	35.68	25.05	22.47	23.35	21.92	19.98	20.75	21.24	21
22	22.70	22.03	21.95	22.43	36.40	24.58	22.43	22.97	21.91	20.02	20.81	21.26	22
23	22.60	22.01	21.92	22.35	35.28	24.36	22.39	23.54	22.12	19.99	20.84	21.26	23
24	22.70	21.98	21.87	22.35	35.72	24.21	22.53	23.65	22.19	19.86	20.87	21.26	24
25	22.83	22.07	21.85	22.35	35.27	24.11	22.53	23.71	22.08	19.86	20.85	21.25	25
26	22.90	22.16	21.86	22.37	34.90	24.11	22.57	23.74	21.68	19.87	20.80	21.27	26
27	22.95	22.16	21.87	22.29	34.84	23.99	22.63	23.85	21.30	19.90	20.92	21.28	27
28	23.00	22.18	21.85	22.22	34.85	23.78	22.73	23.80	21.02	19.87	21.08	21.30	28
29	22.73	22.20	21.80	22.23	34.71	23.71	22.75	23.79	20.96	19.88	21.05	21.27	29
30	22.58	22.22	21.84	23.42		23.82	22.87	23.57	20.94	19.94	20.99	21.29	30
31	22.63		21.82	27.25		23.98		23.45		19.88	20.92		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-31	0715	27.47									
2-22	0530	36.77									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 54 00	121 35 00	SE 12 12N 3E	357,000	51.60	12-23-1955	JUN 21-OCT 28 01 JAN 39-DATE	1920-DATE	1920	1920	0.00 -3.30	USED USCGS

Station located at State Highway 99 bridge, 2.9 miles below Bear River, 0.5 mile southwest of Nicolaus. Backwater at times affects the stage-discharge relationship. Flow partly regulated by reservoirs and powerplants. Maximum discharge of record is for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is approximately 5,921 square miles (revised).

01 - Irrigation season only.



**TABLE B-11 (Cont.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02150	SACRAMENTO RIVER AT VERONA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	15.92	15.50	14.73	14.92	24.62	33.16	17.26	12.55	12.85	12.31	13.87	13.45	1
2	15.52	15.77	14.91	14.86	23.47	32.74	17.38	12.84	12.51	12.21	13.94	13.37	2
3	15.62	15.96	14.98	14.75	22.91	32.08	17.44	13.03	12.42	12.03	14.01	13.32	3
4	16.73	15.78	15.12	14.58	23.78	31.14	17.19	13.78	12.51	12.02	14.08	13.44	4
5	16.87	15.44	16.28	14.46	23.63	29.64	16.72	14.53	12.51	12.23	14.17	13.61	5
6	16.76	15.02	16.92	14.37	22.44	27.58	16.34	14.90	12.45	12.38	14.17	13.83	6
7	16.62	14.78	17.21	14.34	21.31	25.55	16.11	15.03	13.03	12.68	14.21	14.13	7
8	16.52	14.90	16.89	14.24	20.47	24.18	15.77	14.65	13.50	12.81	14.19	14.43	8
9	16.44	14.68	16.92	14.19	19.80	23.35	15.26	14.57	13.80	12.76	14.17	14.68	9
10	16.27	14.30	16.68	14.50	19.36	22.65	14.85	14.61	13.94	12.78	14.19	14.91	10
11	16.01	14.06	16.10	16.27	19.31	21.87	14.78	14.48	13.81	12.79	14.22	15.11	11
12	15.87	13.95	15.62	19.66	19.01	21.06	14.63	14.62	13.53	12.81	14.20	15.23	12
13	15.62	14.02	15.28	18.76	18.56	20.86	14.65	14.82	13.09	12.87	14.14	15.39	13
14	15.38	14.36	15.05	17.22	18.97	22.06	14.45	15.23	12.70	13.01	14.18	15.48	14
15	15.58	14.50	14.98	17.16	18.66	22.97	14.06	16.07	12.41	13.23	14.26	15.52	15
16	15.63	14.34	14.94	21.52	17.84	23.02	13.71	15.57	12.12	13.31	14.35	15.35	16
17	15.60	14.37	14.90	23.30	17.68	23.85	13.26	15.44	12.12	13.30	14.37	15.19	17
18	15.58	14.25	15.00	23.74	20.96	24.85	12.83	15.15	12.15	13.27	14.35	15.03	18
19	15.53	14.24	15.02	22.98	24.37	24.44	12.50	15.11	11.97	13.30	14.25	14.81	19
20	15.50	14.32	14.97	21.36	26.48	22.96	12.26	15.07	11.77	13.34	14.19	14.60	20
21	15.52	14.37	14.88	19.93	29.67	21.47	12.11	15.07	11.88	13.38	14.41	14.51	21
22	15.53	14.30	14.84	18.88	32.13	20.32	12.31	14.77	12.13	13.42	14.90	14.54	22
23	15.36	14.22	14.79	17.92	32.69	19.58	12.28	15.16	12.33	13.44	15.55	14.41	23
24	15.45	14.12	14.74	17.21	33.28	19.08	12.27	15.21	12.44	13.39	15.34	14.38	24
25	15.55	14.09	14.68	16.73	33.35	18.69	12.29	15.14	12.34	13.39	14.96	14.30	25
26	15.67	14.20	14.70	16.40	33.30	18.38	12.46	15.04	12.20	13.46	14.65	14.21	26
27	15.69	14.19	14.75	16.07	33.38	18.11	12.94	14.94	11.85	13.60	14.38	14.24	27
28	15.83	14.20	14.82	15.73	33.46	17.71	13.08	14.72	11.85	13.75	14.25	14.20	28
29	15.69	14.27	14.90	15.64	32.66	17.30	12.63	14.31	12.04	13.81	14.07	14.15	29
30	15.43	14.52	14.97	16.93		17.14	12.37	13.85	12.32	13.78	13.82	14.10	30
31	15.23		14.97	23.42		17.26		13.32		13.81	13.61		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E - ESTIMATED  
 NR - NO RECORD  
 NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-1	0315	24.79									
2-28	0800	33.48									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 46 50	121 36 10	SE 23 11N 3E	79,200	41.20	3-1-1940	MAY 26-OCT 28 <sup>0</sup> MAY 29-DATE	MAY 1926-DATE	1926	1926	-0.06 -3.00	USED USCGS

Station located 0.8 mile southeast of Verona, 1.0 mile below the Feather River. Records furnished by U. S. Geological Survey. Drainage area is 21,275 square miles.

<sup>0</sup> - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02112	SACRAMENTO RIVER AT ELKHORN FERRY

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	12.66	12.12	11.76	11.93	20.90	29.37	13.95 E	9.53	9.84	9.46	10.59	10.28	1
2	12.32	12.49	11.85	11.86	19.92	28.98	13.97	NR	9.48	9.45	10.69	10.21	2
3	12.37	12.70	12.03	11.74	19.22	28.36	13.98	NR	9.29	9.37	10.78	10.14	3
4	13.25	12.64	12.15	11.54	19.99	27.50	13.78	NR	9.30	9.30	10.87	10.28	4
5	13.44	12.34	13.14	11.41	19.91	26.14	13.35	NR	9.42	9.39	10.99	10.39	5
6	13.35	11.94	13.68	11.29	18.91	24.21	12.95	11.46	9.33	9.72	10.94	10.56	6
7	13.22	11.65	14.06	11.20	17.83	22.21	12.71	11.55	9.77	10.05	10.95	10.80	7
8	13.13	11.75	13.72	11.14	17.02	20.81	12.47	11.26	10.26	10.17	10.95	11.07	8
9	13.06	11.55	13.69	11.09	16.38	19.91	12.08	11.21	10.62	10.02	10.91	11.31	9
10	12.94	11.03	13.53	11.54	15.92	19.18	11.66	11.25	10.80	9.98	10.91	11.49	10
11	12.68	10.90	13.02	12.71	15.86	18.43	11.51	11.12	10.74	9.90	10.91	11.67	11
12	12.57	10.83	12.53	16.07	15.60	17.68	11.45	11.24	10.43	9.90	10.92	11.77	12
13	12.32	10.88	12.17	15.55	15.18	17.42	11.46	11.50	10.00	9.93	10.80	11.95	13
14	12.05	11.20	11.82	14.06	15.41	18.36	11.30	11.80	9.65	9.99	10.78	12.02	14
15	12.20	11.40	11.97	13.79	15.30	19.24	11.04	12.57	9.36	10.10	10.85	12.03	15
16	12.28	11.26	12.10	17.60	14.52	19.38	10.75	12.21	9.11	10.10	10.99	11.83	16
17	12.26	11.37	12.06	19.62	14.33	19.97	10.41	12.06	9.14	10.03	11.04	11.69	17
18	12.24	11.36	12.25	20.05	16.86	20.96	11.67	11.72	9.19	9.99	11.03	11.63	18
19	12.26	11.39	12.22	19.45	20.43	20.71	9.70	11.67	9.08	10.07	10.97	11.44	19
20	12.20	11.41	12.13	17.94	22.41	19.36	9.42	11.59	8.94	10.19	10.92	11.19	20
21	12.26	11.37	12.00	16.56	25.80	17.93	9.21	11.60	8.94	10.26	11.02	11.04	21
22	12.27	11.32	11.85	15.53	28.08	16.82	9.16	11.34	9.15	10.30	11.42	11.08	22
23	12.09	11.25	11.71	14.63	28.84	16.06	9.16	11.67	9.43	10.35	12.03	10.97	23
24	12.11	11.11	11.68	13.93	29.39	15.56	9.17	11.76	9.56	10.31	11.87	10.96	24
25	12.21	11.04	11.64	13.51	29.54	15.19	9.18	11.69	9.52	10.28	11.53	10.89	25
26	12.33	11.15	11.68	13.28	29.49	14.88	9.22	11.59	9.59	10.33	11.21	10.83	26
27	12.35	11.15	11.72	13.01	29.56	14.62	9.39	11.51	9.23	10.46	10.95	10.88	27
28	12.49	11.21	11.82	12.73	29.63	14.26	9.72	11.35	9.22	10.60	10.82	10.84	28
29	12.40	11.34	11.92	12.77	29.58	13.87	9.78	10.98	9.20	10.61	10.65	10.94	29
30	12.12	11.61	12.02	13.60		13.71	9.62	10.60	9.34	10.56	10.45	10.85	30
31	11.93		12.03	19.34		13.83		10.21		10.58	10.40		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2- 1-68	0430	21.01									
2-28-68	0745	29.65									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
38 40 33	121 37 15	NW 34 10N 3E		35.86 E	12-25-1964			MARCH 1964-DATE	1964	1964	0.00	USCGS
									1964		-3.00	USCGS

Station located at Woodland Farms, Inc., pumphouse, 250 feet above Elkhorn Ferry, 10 miles northwest of Sacramento. Station located in tidal zone.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02100	SACRAMENTO RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	5.36	4.96	5.12	5.01	11.44	20.52	6.60	3.42	3.34	3.64	3.85	3.97	1
2	5.18	5.40	5.00	4.86	11.00	20.23	6.53	3.42	3.18	3.76	3.88	3.94	2
3	5.10	5.61	5.35	4.73	10.16	19.69	6.42	3.73	2.96	3.46	4.03	3.90	3
4	5.49	5.73	5.52	4.41	10.48	18.99	6.30	3.96	3.15	3.48	4.23	4.04	4
5	5.68	5.48	6.08	4.34	10.71	17.90	6.01	4.01	3.38	3.66	4.33	3.94	5
6	5.59	5.07	6.23	4.15	10.02	17.50	5.57	3.94	3.06	4.28	4.17	3.98	6
7	5.49	4.84	6.76	3.87	9.40	14.42	5.34	4.08	3.44	4.52	4.20	4.03	7
8	5.44	4.94	6.46	3.82	8.81	13.10	5.23	4.14	3.88	4.57	4.33	4.14	8
9	5.43	4.68	6.25	3.84	8.36	12.03	4.98	4.27	4.14	4.39	4.23	4.24	9
10	5.40	4.26	6.21	4.74	8.00	11.12	4.71	4.18	4.33	4.23	4.20	4.20	10
11	5.19	4.08	5.96	4.92	7.92	10.51	4.69	4.15	4.40	4.13	4.15	4.29	11
12	5.11	4.11	5.52	7.14	7.79	9.97	4.78	4.24	4.16	4.12	4.20	4.31	12
13	4.96	4.12	5.06	7.56	7.47	9.75	4.74	4.57	3.78	4.14	3.93	4.64	13
14	4.73	4.41	4.70	6.50	7.43	10.22	4.59	4.54	3.56	4.06	3.80	4.62	14
15	4.77	4.54	5.23	6.42	7.48	10.91	4.58	4.81	3.37	3.92	3.74	4.42	15
16	4.85	4.56	5.57	8.58	6.99	11.20	4.40	4.88	3.25	3.73	4.03	4.20	16
17	4.89	4.82	5.53	10.27	6.99	11.42	3.79	4.70	3.30	3.47	4.05	4.22	17
18	4.96	5.00	5.94	10.56	8.00	12.01	3.50	4.34	3.40	3.36	4.19	4.54	18
19	5.04	5.17	5.72	10.16	10.80	11.78	3.44	4.28	3.36	3.60	4.29	4.51	19
20	5.00	5.01	5.53	9.03	12.73	10.90	3.16	4.04	3.27	3.87	4.20	4.21	20
21	5.18	4.73	5.21	8.01	16.07	9.69	2.88	4.11	3.17	3.96	4.07	3.84	21
22	5.04	4.75	4.98	7.48	18.66	8.70	2.76	3.98	3.49	4.04	4.08	3.81	22
23	4.84	4.61	4.70	6.82	19.80	8.22	2.85	4.11	3.82	4.15	4.40	3.80	23
24	4.84	4.39	4.69	6.42	20.30	7.68	2.90	4.26	3.89	4.11	4.48	3.83	24
25	4.87	4.35	4.68	6.20	20.62	7.47	2.92	4.15	3.94	4.05	4.31	3.87	25
26	4.96	4.41	4.79	6.25	20.61	7.16	2.97	4.12	4.18	4.09	4.02	3.93	26
27	4.94	4.47	4.92	6.10	20.64	6.93	3.23	4.18	3.90	4.22	3.94	4.00	27
28	5.14	4.59	5.08	5.85	20.74	6.66	3.61	4.25	3.88	4.30	3.76	4.12	28
29	4.99	4.77	5.21	6.06	20.74	6.40	3.53	4.06	3.53	4.18	3.66	4.49	29
30	4.81	5.13	5.32	6.55	6.29	6.29	3.53	3.76	3.57	4.12	3.74	4.20	30
31	4.74		5.21	9.80	6.50	6.50		3.60		4.04	3.99		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2- 1-68	1030	11.62									
2-29-68	0930	21.00									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 35 20	121 30 15	NW 35 9N 4E	104,000	30.14	11-21-1950	04- 05 JUN 21-NOV 21 MAY 24-DEC 42 <sup>8</sup> MAY 43-DATE	JAN 04-JULY 05 20-DATE	1904	1956	0.12	USCGS
								1956		0.00	USCGS
								1956		2.98	USED
									1965	-0.23	USCGS
								1965		0.00	USCGS

Station located 1,000 feet above I Street bridge, 0.5 mile below the American River. Below approximately 30,000 cfs the stage-discharge relationship is affected by tidal influence. Maximum discharge listed at site and datum then in use. Drainage area is 23,530 square miles.

<sup>8</sup> - Irrigation season only.

TABLE B-11 (Cont.)  
DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A07175	AMERICAN RIVER AT FAIR OAKS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1.63	2.13	2.36	1.95	1.67	3.99	2.17	1.61	1.28	2.72	1.58	0.89	1
2	1.64	2.13	2.32	1.96	1.67	3.98	2.21	1.61	1.29	2.67	1.48	0.88	2
3	1.64	2.13	2.41	2.01	1.68	3.94	2.20	1.60	1.31	2.73	1.53	0.88	3
4	1.63	2.14	2.43	1.97	1.69	4.02	2.19	1.30	1.63	2.92	1.63	0.89	4
5	1.64	2.14	2.36	1.97	1.69	3.98	2.12	1.30	1.64	2.93	1.60	0.89	5
6	1.64	2.13	2.63	1.65	1.70	4.02	2.11	1.30		2.93	1.36	0.88	6
7	1.65	2.14	2.95	1.64	1.70	3.87	2.11	1.30	2.05	2.93	1.36	0.88	7
8	1.65	2.12	2.93	1.65	1.70	3.83	2.10	1.21	2.02	2.77	1.35	0.88	8
9	1.65	2.11	2.94	1.64	1.69	3.59	2.06	1.14	2.03	2.46	1.35	0.89	9
10	1.67	2.11	2.95	1.64	1.67	3.41	2.06	1.06	2.03	2.44	1.29	0.90	10
11	1.98	2.13	2.93	1.64	1.69	3.42	2.06	1.06	2.04	2.45	1.28	0.90	11
12	1.97	2.12	2.95	1.65	1.69	3.29	2.02	1.06	1.98	2.44	1.28	0.89	12
13	1.97	2.11	2.93	1.66	1.69	3.26	2.04	1.06	1.92	2.43	1.29	0.90	13
14	1.97	NR	2.93	1.66	1.68	3.10	2.05	1.05	1.91	2.43	1.21	0.90	14
15	1.96	NR	2.94	1.66	1.68	3.08	2.02	0.98	1.95	2.37	1.14	0.89	15
16	1.97	NR	2.94	1.66	1.68	2.93	1.93	0.97	2.19	2.16	1.13	0.89	16
17	1.99	NR	2.93	1.66	1.70	2.69	1.92	0.88	2.22	1.99	1.14	0.88	17
18	2.07	NR	2.92	1.66	1.73	2.47	1.92	0.88	2.38	1.90	1.12	0.88	18
19	2.07	NR	2.89	1.66	1.91	2.45	1.92	0.88	2.31	1.91	1.10	0.88	19
20	1.98	NR	2.91	1.66	2.33	2.44	1.92	0.88	2.33	1.91	0.98	0.89	20
21	1.92	NR	2.96	1.66	3.02	2.45	1.92	0.88	2.39	1.92	0.89	0.90	21
22	1.92	NR	2.78	1.67	4.05	2.43	1.92	0.88	2.53	1.90	0.89	0.89	22
23	1.87	NR	2.67	1.67	4.01	2.18	1.92	0.89	2.54	1.93	0.89	0.88	23
24	1.87	NR	2.67	1.66	4.07	2.18	1.91	0.90	2.45	1.92	0.89	0.89	24
25	1.87	NR	2.64	1.65	4.16	2.18	1.91	0.90	2.33	1.93	0.89	0.89	25
26	1.87	NR	2.66	1.66	4.16	2.17	1.91	0.90	2.55	2.08	0.89	0.88	26
27	1.87	NR	2.66	1.65	4.11	2.19	1.91	0.90	2.56	2.10	0.90	0.88	27
28	1.87	NR	2.68	1.65	4.12	2.19	1.90	0.90	2.70	2.09	0.90	0.88	28
29	1.87	NR	2.73	1.65	4.08	2.19	1.86	0.90	2.70	2.07	0.90	0.89	29
30	1.87	NR	2.50	1.67		2.18	1.61	0.90	2.67	1.85	0.90	0.90	30
31	1.82		2.23	1.67		2.19		0.93		1.66	0.90		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
3-8-68	1500	4.20									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 08	121 13 36	NE 17 9N 7E	180000	31.85	11-21-1950	NOV 1904-DATE	NOV 1904-DATE	1904	1930	65.79	USCGS
								1930	1957	64.79	USCGS
								1957		77.53	USCGS

Station located 2,100 feet below Nimbus Dam, 2.4 miles east of Fair Oaks. Flow regulated by Folsom Lake. Maximum discharge listed at site datum then in use. Records furnished by USGS. Drainage area is 1,888 square miles.



**TABLE B-11 (Cont.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A07140	AMERICAN RIVER AT SACRAMENTO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	18.51	18.82	18.46	18.12	24.60	18.68	18.02	17.61	19.01	17.95	NR	1
2	NR	18.58	18.75	18.39	18.12	24.35	18.66	18.02	17.68	19.05	17.88	NR	2
3	NR	18.54	18.84	18.46	18.12	23.87	18.66	18.04	17.68	19.14	17.88	NR	3
4	NR	18.57	18.91	18.42	18.14	23.35	18.64	17.76	17.93	19.45	17.99	NR	4
5	18.07	18.58	18.87	18.41	18.13	22.58	18.58	17.72	18.02	19.53	18.00	17.30 E	5
6	18.07	18.57	19.06	18.18	18.13	21.69	18.55	17.72	18.03	19.57	17.78	17.29 E	6
7	18.06	18.57	19.42	18.09	18.13	20.95	18.53	17.71	18.39	19.56	17.73	17.29	7
8	18.07	18.56	19.47	18.10	18.13	20.71	18.54	17.65	18.41	19.18 E	17.71	17.30	8
9	18.07	18.54	19.46	18.09	18.14	20.33	18.49	17.59	18.42	18.91 E	17.71	17.31	9
10	18.07	18.54	19.46	18.19	18.10	20.10	18.51	17.51	18.42	18.83 E	17.71	17.31	10
11	18.33	18.56	19.47	18.10	18.13	20.06	18.52	17.49	18.42	18.84 E	17.70	17.31	11
12	18.40	18.56	19.48	18.10	18.13	19.94	18.47	17.50	18.39	18.85 E	17.69	17.31	12
13	18.40	18.55	19.47	18.11	18.13	19.91	18.48	17.53	18.32	18.85 E	17.68	17.31	13
14	18.40	18.53	19.48	18.15	18.11	19.73	18.52	17.52	18.31	18.84 E	17.67	17.31	14
15	18.39	18.56	19.46	18.19	18.11	19.66	18.46	17.44	18.30	18.84 E	17.66	17.32	15
16	18.39	18.82	19.47	18.12	18.14	19.56	18.38	17.42	18.54	18.60 E	17.65	17.33	16
17	18.42	19.12	19.46	18.10	18.17	19.27	18.34	17.35	18.58	18.41 E	17.64	17.33	17
18	18.50	19.37	19.45	18.11	18.15	19.03	18.34	17.33	18.77	18.26 E	17.63	17.33	18
19	18.51	19.44	19.42	18.11	18.25	18.94	18.33	17.34	18.67	18.26 E	17.62	17.34	19
20	18.46	19.30	19.45	18.11	18.82	18.94	18.34	17.33	18.69	18.28	17.61	17.35	20
21	18.37	18.99	19.46	18.12	20.46	18.94	18.34	17.33	18.72	18.28	17.58	17.35	21
22	18.37	18.92	19.34	18.11	23.11	18.92	18.32	17.33	18.86	18.26	17.55	17.34	22
23	18.32	18.88	19.11	18.12	24.04	18.72	18.33	17.33	18.90	18.28	17.53	17.33	23
24	18.31	18.87	19.14	18.11	24.46	18.66	18.34	17.34	18.82	18.27	17.51	17.34	24
25	18.32	18.88	19.10	18.10	24.78	18.64	18.33	17.34	18.73	18.26	17.49	17.35	25
26	18.32	18.88	19.13	18.11	24.77	18.64	18.33	17.32	18.96	18.38	17.47	17.34	26
27	18.34	18.81	19.14	18.11	24.79	18.65	18.32	17.32	18.92	18.41	17.45	17.34	27
28	18.32	18.86	19.18	18.10	24.85	18.65	18.32	17.32	18.93	18.42	17.44	17.34	28
29	18.33	18.85	19.18	18.11	24.83	18.65	18.31	17.32	19.00	18.41	17.43	17.34	29
30	18.32	18.86	18.98	18.32		18.63	18.06	17.31	18.99	18.24	17.41	17.35	30
31	18.25		18.76	18.14		18.65		17.33		18.05	17.40		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E - ESTIMATED  
 NR - NO RECORD  
 NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
11-20-67	0445	19.51	2-29-68	0945	24.92						
12- 8-67	0200	19.55									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 34 08	121 25 22	SW 3 8N 5E	176,000	45.73	11-21-1950	JUL 21-OCT 21 MAY 24-DEC 42 <sup>o</sup> MAY 43-SEPT 59	JUL 21-OCT 21 JUN 24-NOV 24 JUN 1925-DATE	1921		0.00 -3.07	USED USCGS

Station located at H Street bridge. Backwater at times affects the stage-discharge relationship. Maximum discharge of record listed is for period 1921, 1929-1932, 1934 to date. Maximum gage height listed does not necessarily indicate maximum discharge. Drainage area is 1,937 square miles.

<sup>o</sup> - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A81820	SCOTTS CREEK AT UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.92	5.59	5.72	6.05	8.81	8.70	8.72	8.29	7.43	6.13	4.65	2.04	1
2	3.08	5.60	5.68	6.00	9.67	8.66	8.60	8.28	7.39	6.08	4.08	2.07	2
3	3.60	5.60	7.42	5.97	9.78	8.63	8.65	8.26	7.34	6.05	3.45	2.08	3
4	3.68	5.64	6.57	5.93	9.04	8.62	8.64	8.24	7.32	6.02	3.27	2.05	4
5	3.79	5.65	7.30	5.90	8.63	8.58	8.60	8.17	7.29	5.99	2.92	2.00	5
6	3.85	5.64	6.79	5.88	8.43	8.61	8.65	8.17	7.22	5.95	2.68	1.95	6
7	4.28	5.64	7.00	5.86	8.32	8.64	8.65	8.13	7.14	5.90	2.51	1.91	7
8	4.40	5.65	5.66	5.83	8.21	8.69	8.66	8.11	7.15	5.84	2.34	1.87	8
9	4.43	5.65	5.98	5.86	8.14	8.68	8.67	8.07	7.14	5.79	2.20	1.88	9
10	4.64	5.69	6.17	7.80	8.12	8.68	8.67	8.02	7.10	5.80	2.13	1.87	10
11	4.65	5.69	6.19	7.72	8.10	8.69	8.67	7.92	7.06	5.72	2.03	1.80	11
12	4.67	5.70	6.17	7.42	8.10	8.79	8.66	7.94	7.03	5.60	1.82	1.74	12
13	4.78	5.70	6.10	7.18	8.10	9.19	8.66	7.93	6.97	5.54	1.70	1.64	13
14	4.80	5.75	6.08	7.93	8.10	9.27	8.65	7.95	6.92	5.49	1.68	1.59	14
15	4.90	5.65	6.18	11.99	8.15	9.20	8.55	7.92	6.88	5.44	1.65	1.64	15
16	4.92	5.66	NR	10.40	8.26	9.76	8.52	7.92	6.83	5.40	1.64	1.72	16
17	5.02	5.65	NR	8.61	8.51	10.05	8.58	7.88	6.78	5.34	1.59	1.90	17
18	5.03	5.65	NR	7.89	8.54	9.62	8.57	7.87	6.76	5.37	1.55	2.01	18
19	5.05	5.66	NR	7.58	9.13	9.32	8.55	7.82	6.65	5.27	1.53	2.37	19
20	5.14	5.63	NR	7.34	11.73	9.11	8.52	7.81	6.61	5.29	1.56	2.74	20
21	5.16	5.65	NR	7.14	11.53	8.95	8.52	7.76	6.57	5.23	1.62	2.77	21
22	5.32	5.63	NR	6.96	10.70	8.83	NR	7.73	6.48	5.18	1.64	2.84	22
23	5.32	5.68	NR	6.80	9.99	8.75	NR	7.68	6.49	5.12	1.69	2.90	23
24	5.37	5.69	NR	6.68	9.48	8.70	NR	7.62	6.45	5.09	1.74	2.92	24
25	5.41	5.71	NR	6.61	9.17	8.67	NR	7.66	6.40	5.06	1.78	2.95	25
26	5.45	5.71	NR	6.53	8.96	8.60	NR	7.58	6.37	5.02	1.85	2.92	26
27	5.50	5.71	NR	6.49	8.81	8.57	NR	7.53	6.29	4.99	1.89	2.78	27
28	5.53	5.74	6.18	6.42	8.75	8.56	NR	7.53	6.23	4.95	1.92	2.72	28
29	5.55	5.84	6.17	7.73	8.72	8.56	NR	7.52	6.19	4.90	1.95	2.67	29
30	5.56	5.78	6.14	11.88		8.57	8.31	7.50	6.16	4.85	1.98	2.68	30
31	5.58		6.10	10.29		8.57		7.46		4.75	2.02		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-15-68	1145	12.00	1-30-68	0900	11.91	2-20-68	1100	11.74			

E - ESTIMATED

NR - NO RECORD

NF - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 09 32	122 55 13	SW12 15N 10W		22.14	12-23-64		NOV 59-DATE	1959		1321.2	USCGS

Station located 0.1 mi. above State Highway 29 bridge, 0.7 mi. SW of Upper Lake. Gage height reflects the elevation of Clear Lake as well as flow of Scotts Creek. Daily gage height given is shown at 1200 hour.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A81940	CLOVER CREEK BYPASS NEAR UPPER LAKE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1				3.27	3.40	3.49	3.40	3.33	3.29	3.20			1
2				3.27	4.14	3.47	3.38	3.32	3.29	3.18			2
3			3.33	3.28	3.97	3.44	3.36	3.32	3.29	3.18			3
4				3.28	3.81	3.43	3.34	3.32	3.29	3.17			4
5			3.88	3.28	3.73	3.42	3.33	3.32	3.29	3.17			5
6					3.73	3.41	3.32	3.32	3.29	3.16			6
7			3.67		3.68	3.43	3.32	3.31	3.28	3.16			7
8			3.32		3.63	3.43	3.31	3.31	3.28	3.17			8
9					3.60	3.40	3.30	3.31	3.28	3.17			9
10				4.15	3.58	3.38	3.29	3.31	3.29	3.16			10
11				3.42	3.54	3.37	3.29	3.31	3.29	3.16			11
12				3.28	3.53	3.70	3.28	3.31	3.29	3.16			12
13				3.37	3.50	3.78	3.28	3.31	3.28	3.17			13
14				4.57	3.47	3.83	3.28	3.31	3.28	3.17			14
15				4.25	3.45	3.73	3.28	3.30	3.26	3.21			15
16				3.63	3.54	4.12	3.28	3.30	3.24	3.18			16
17				3.35	3.68	3.93	3.28	3.30	3.25	3.17			17
18			3.24	3.28	3.62	3.80	3.28	3.30	3.24	3.17	3.16		18
19				3.25	4.21	3.69	3.29	3.30	3.24	3.16			19
20				3.23	4.17	3.62	3.29	3.30	3.25		3.19		20
21				3.22	4.17	3.57	3.29	3.31	3.23		3.20		21
22				3.22	3.97	3.54	3.29	3.31	3.23		3.19		22
23				3.20	3.92	3.52	3.29	3.31	3.22		3.18		23
24			3.17	3.20	3.81	3.48	3.29	3.32	3.21		3.17		24
25			3.19	3.20	3.72	3.47	3.32	3.32	3.21		3.16		25
26			3.20	3.20	3.65	3.44	3.36	3.32	3.22		3.17		26
27			3.21	3.20	3.59	3.42	3.35	3.32	3.22				27
28			3.23	3.22	3.54	3.40	3.34	3.32	3.22				28
29			3.23	4.02	3.52	3.39	3.34	3.32	3.21				29
30			3.25	3.83		3.38	3.31	3.31	3.21				30
31			3.27	3.44		3.37		3.30					31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-14-68	1510	5.89									

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 10 33	122 54 00	SE6 15N 9W		7.31	12-22-64	NOV 59-DATE	NOV 59-DATE	1959		0.00	LOCAL

Station located 0.2 mi. above Lake Pillsbury Road bridge, 0.8 mi. N of Upper Lake. Tributary to Clear Lake via Middle Creek.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A08125	CACHE CREEK AT YOLO

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NF	NF	NF	NF	4.87	3.44	1.92	NF	NF	NF	NF	NF	1
2	NF	NF	NF	NF	8.67	3.96	1.93	NF	NF	NF	NF	NF	2
3	NF	NF	NF	NF	10.09	4.48	1.95	NF	NF	NF	NF	NF	3
4	NF	NF	NF	NF	8.81	4.43	1.84	NF	NF	NF	NF	NF	4
5	NF	NF	NF	NF	6.37	3.78	1.74	NF	NF	NF	NF	NF	5
6	NF	NF	NF	NF	4.65	3.41	1.68	NF	NF	NF	NF	0.45	6
7	NF	NF	1.36	NF	4.39	3.17	1.62	NF	NF	NF	NF	NF	7
8	NF	NF	2.22	NF	4.12	2.83	1.56	NF	NF	NF	NF	0.35	8
9	NF	NF	2.31	NF	3.83	2.75	1.50	NF	NF	NF	NF	NF	9
10	NF	NF	2.04	0.63	3.58	2.61	1.16	NF	NF	NF	NF	0.47	10
11	NF	NF	1.87	4.32	3.39	2.50	0.84	NF	NF	NF	NF	0.52	11
12	NF	NF	1.72	2.87	3.19	2.49	0.83	NF	NF	NF	NF	0.55	12
13	NF	NF	1.63	2.47	3.03	4.60	0.82	NF	NF	NF	NF	0.60	13
14	NF	NF	1.80	2.34	2.89	6.55	NF	NF	NF	NF	NF	0.46	14
15	NF	NF	1.65	7.02	2.78	6.80	NF	NF	NF	NF	NF	NF	15
16	NF	NF	1.57	5.49	2.72	8.03	NF	NF	NF	NF	NF	0.50	16
17	NF	NF	1.48	4.13	4.78	8.50	NF	NF	NF	NF	NF	0.59	17
18	NF	NF	1.40	3.47	5.64	7.46	NF	NF	NF	NF	NF	0.60	18
19	NF	NF	1.31	3.09	4.65	7.06	NF	NF	NF	NF	NF	0.59	19
20	NF	NF	1.23	2.85	9.39	7.97	NF	NF	NF	NF	0.34	0.59	20
21	NF	NF	NF	2.69	11.19	7.68	NF	NF	NF	NF	NF	0.46	21
22	NF	NF	NF	2.57	10.34	7.50	NF	NF	NF	NF	NF	NF	22
23	NF	NF	NF	2.46	9.56	5.81	NF	NF	NF	NF	NF	0.51	23
24	NF	NF	NF	2.38	9.07	5.17	NF	NF	NF	NF	NF	0.61	24
25	NF	NF	NF	2.31	8.71	5.04	NF	NF	NF	NF	NF	0.50	25
26	NF	NF	NF	2.27	8.40	4.94	NF	NF	NF	NF	NF	NF	26
27	NF	NF	NF	2.22	8.17	4.89	NF	NF	0.89	NF	NF	NF	27
28	NF	NF	NF	2.17	4.89	4.04	NF	NF	0.75	NF	NF	NF	28
29	NF	NF	NF	5.35	3.73	2.67	NF	NF	NF	NF	NF	NF	29
30	NF	NF	NF	17.97		2.22	NF	NF	NF	NF	NF	NF	30
31	NF	NF	NF	6.92		2.03	NF	NF	NF	NF	NF	NF	31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-15	1130	10.42	2-2	1945	11.60	3-16	2000	10.49			
1-30	0730	24.25	2-21	0230	12.24						

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 43 30	121 48 25		41,400	35.11	2-25-1958	JAN 1903-DATE	JAN 1903-DATE	1903	1930	58.24	USCGS
								1930	1954	56.27	USCGS
								1954	1965	52.27	USCGS
								1965		50.27	USCGS

Station located 800 feet above U. S. Highway 99W bridge, 0.5 mile south of Yolo. Tributary to Yolo Bypass. Maximum discharge listed at present datum. Records furnished by U. S. Geological Survey. Drainage area is 1,139 square miles.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A02935	YOLO BYPASS NEAR WOODLAND

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10.48	10.38	10.49	10.39	21.35	24.03	12.21	NF	NR	NF	NF	10.47	1
2	10.46	10.39	10.47	10.37	20.80	22.93	12.33	NF	NR	NF	NF	10.44	2
3	10.46	10.39	10.44	10.39	21.86	21.27	12.06	NF	NR	NF	NF	10.44	3
4	10.44	10.40	10.41	10.40	22.27	19.36	11.80	NF	NR	NF	NF	10.44	4
5	10.45	10.43	10.44	10.40	21.90	17.53	11.68	NF	NR	NF	NF	10.45	5
6	10.46	10.39	10.42	10.46	20.80	16.32	11.42	NF	NR	NF	NF	10.44	6
7	10.48	10.39	10.45	10.48	19.85	15.81	11.06	NF	NR	NF	NF	10.43	7
8	10.54	10.41	10.52	10.58	18.93	15.43	10.82	NF	NR	NF	NF	10.43	8
9	10.50	10.46	10.50	10.72	17.70	14.77	10.68	NF	NR	NF	NF	10.43	9
10	10.55	10.46	10.47	10.76	16.33	14.42	10.65	NF	NR	NF	NF	10.43	10
11	10.57	10.46	10.41	10.81	15.38	13.85	10.73	NF	NR	NF	NF	10.44	11
12	10.51	10.40	10.40	11.85	14.65	13.41	10.75	NF	NR	NF	NF	10.45	12
13	10.52	10.39	10.38	11.92	13.96	14.69	10.63	NF	10.22	NF	NF	10.46	13
14	10.43	10.40	10.40	11.76	13.41	17.77	10.58	NF	10.22	NF	NF	10.48	14
15	10.40	10.40	10.40	11.90	12.99	18.75	10.54	NF	10.22	NF	NF	10.48	15
16	10.35	10.39	10.46	16.28	12.78	19.00	10.53	NF	10.27	NF	NF	10.46	16
17	10.35	10.40	10.44	17.15	13.18	19.84	10.51	NF	10.30	NF	NF	10.46	17
18	10.33	10.40	10.40	16.32	16.87	19.60	10.50	NF	10.26	NF	NF	10.45	18
19	10.33	10.45	10.47	14.94	19.13	19.19	10.53	NF	10.18	NF	NF	10.45	19
20	10.39	10.42	10.48	14.22	20.09	19.09	10.51	NF	10.13	NF	NR	10.44	20
21	10.42	10.44	10.46	13.53	21.67	19.31	10.52	NF	10.11	NF	10.36	10.43	21
22	10.42	10.43	10.42	12.60	22.23	19.16	10.51	NF	10.24	NF	10.44	10.42	22
23	10.40	10.46	10.41	11.82	23.00	18.70	10.51	NF	10.30	NF	10.46	NR	23
24	10.40	10.41	10.41	11.48	24.08	17.30	10.54	12.81	10.28	NF	10.46	10.16	24
25	10.43	10.40	10.38	11.28	24.61	16.74	10.52	11.56	10.15	NF	10.46	NR	25
26	10.45	10.43	10.34	11.18	24.60	16.45	10.52	10.84	10.08	NF	10.47	10.80	26
27	10.46	10.39	10.36	11.09	24.70	16.28	10.48	10.39	10.08	NF	10.47	11.08	27
28	10.47	10.42	10.44	10.98	24.70	16.06	10.43	NR	NF	NF	10.48	10.63	28
29	10.45	10.43	10.44	10.92	24.46	14.38	10.48	NR	NF	NF	10.50	10.52	29
30	10.35	10.50	10.44	20.08		13.01	10.47	NR	NF	NF	10.50	10.49	30
31	10.33		10.45	22.60		12.42		NR		NF	10.49		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-28	0500	24.76									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 40 40	121 38 35	SE 28 10N 3E	272,000	32.00	2-8-1942	MAR 30-OCT 38 0 JAN 1939-DATE	1940-1941 # 1941-DATE	1930	1941	0.73	USED
								1941		0.00	USED
								1941		-3.41	USCGS

Station located just above the Sacramento-Woodland Railroad bridge, 6 miles above the Sacramento Bypass, 7 miles below Fremont Weir, 7 miles east of Woodland. Supplementary water stage recorder, located 7 miles downstream, used for computations during periods of low flow. Stage-discharge relationship at supplementary recorder location at times affected by tidal action. Records furnished by U. S. Geological Survey.

0 - Irrigation season only.  
# - Flood season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A91250	PUTAH CREEK NEAR WINTERS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.54	6.45	3.97	4.74	4.75	4.65	7.36	7.37	7.59	7.76	8.04	7.57	1
2	6.72	6.40	3.89	4.70	4.62	4.68	7.30	7.43	7.53	7.75	7.91	7.49	2
3	6.85	6.35	4.07	4.70	4.61	4.76	7.20	7.51	7.49	7.81	7.84	7.57	3
4	6.94	6.31	4.52	4.70	4.66	4.83	7.13	7.44	7.41	7.86	7.65	7.68	4
5	7.12	6.29	4.80	4.70	4.71	4.82	7.02	7.34	7.48	7.82	7.48	7.69	5
6	7.27	6.34	4.80	4.77	4.76	4.81	6.90	7.40	7.57	7.69	7.56	7.67	6
7	7.55	6.33	4.80	4.82	4.76	4.88	6.83	7.45	7.52	7.55	7.67	7.63	7
8	7.48	6.29	4.80	4.31	4.83	5.06	6.71	7.62	7.40	7.63	7.59	7.57	8
9	7.36	6.21	4.80	3.82	4.94	5.14	6.62	7.83	7.29	7.82	7.53	7.63	9
10	7.61	6.21	4.80	3.95	4.98	5.21	6.55	7.79	7.16	7.94	7.53	7.66	10
11	7.56	6.24	4.80	3.91	4.98	5.23	6.48	7.68	7.18	7.96	7.56	7.55	11
12	7.58	6.24	5.13	3.87	4.99	5.44	6.42	7.51	7.19	7.89	7.50	7.58	12
13	7.61	5.25	5.05	3.85	4.98	6.46	6.65	7.30	7.14	7.83	7.54	7.68	13
14	7.66	4.69	5.01	3.87	4.95	6.99	6.86	7.02	7.22	7.81	7.51	7.67	14
15	7.63	4.40	5.12	4.37	4.88	7.37	6.68	6.96	7.34	7.75	7.55	7.58	15
16	7.52	4.28	5.09	4.75	4.71	8.29	6.79	7.07	7.41	7.73	7.55	7.60	16
17	7.26	4.65	5.02	4.88	4.48	9.09	6.89	7.11	7.55	7.78	7.53	7.59	17
18	7.31	4.86	4.30	4.98	4.04	9.18	6.79	7.32	7.60	7.86	7.43	7.52	18
19	7.22	4.87	3.70	4.98	4.38	9.10	6.98	7.36	7.76	7.75	7.54	7.46	19
20	7.21	4.99	3.72	4.88	4.69	8.96	7.00	7.38	7.91	7.67	7.45	7.46	20
21	7.22	5.05	3.73	4.81	4.36	8.82	6.73	7.49	7.94	7.61	7.48	7.56	21
22	7.12	5.05	3.78	4.77	4.06	8.69	6.70	7.58	7.87	7.65	7.48	7.70	22
23	6.99	4.95	3.78	4.74	4.46	8.55	6.88	7.61	7.77	7.54	7.46	7.78	23
24	6.55	4.89	3.76	4.74	5.14	8.42	6.94	7.71	7.92	7.60	7.48	7.87	24
25	6.49	4.88	4.33	4.74	5.08	8.31	6.91	7.71	7.90	7.75	7.42	7.84	25
26	6.47	4.77	4.80	4.86	4.79	8.14	6.94	7.66	7.89	7.85	7.61	7.72	26
27	6.39	4.51	4.80	5.11	4.68	7.98	7.10	7.58	7.37	7.92	7.79	7.65	27
28	6.36	4.19	4.80	4.91	4.58	7.85	7.13	7.56	7.90	7.84	7.73	7.61	28
29	6.36	3.92	4.79	4.75	4.60	7.70	7.09	7.49	7.84	8.05	7.71	7.56	29
30	6.33	4.03	4.79	4.70		7.58	7.26	7.45	7.86	7.99	7.67	7.60	30
31	6.36		4.79	4.50		7.51		7.46		8.01	7.65		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED

NR - NO RECORD

NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-7	0930	8.15	7-29	1900	8.13						
3-17	2030	9.23									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 30 55	122 04 50	NE 28 8N 2W	81,000	30.5	2-27-1940	JULY 1930-DATE	JUNE 1930-DATE	1930	1940	161.8	USCGS
								1940		160.75	USCGS

Station located 1.3 miles below Monticello Dam, 6 miles west of Winters. Flow regulated by Lake Berryessa. Maximum discharge listed at present datum. Records furnished by U. S. Geological Survey. Drainage area is 574 square miles.



**TABLE B-11 (Cont.)**  
**DAILY MEAN GAGE HEIGHT**  
 (IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	B07020	SAN JOAQUIN RIVER NEAR VERNALIS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	13.79	15.29	15.33	14.17	13.40	14.22	13.16	10.29	9.64	9.50	9.54	10.31	1
2	13.80	15.17	15.37	14.19	13.33	14.05	13.52	10.25	9.77	9.38	9.60	10.31	2
3	13.84	14.96	15.24	14.25	13.17	13.49	13.70	10.33	9.88	9.40	9.61	10.22	3
4	13.88	14.87	15.04	14.41	12.80	13.16	13.31	10.35	9.75	9.42	9.76	10.17	4
5	13.93	14.75	14.92	14.59	12.70	13.40	13.09	10.55	9.73	9.42	9.90	10.10	5
6	13.96	14.63	15.13	14.72	12.65	13.65	12.92	10.66	9.86	9.42	9.84	10.22	6
7	14.03	14.52	15.15	14.78	12.76	13.66	12.53	10.57	9.88	9.38	9.76	10.30	7
8	14.08	14.69	15.23	14.49	12.67	13.88	12.24	10.53	9.83	9.38	9.70	10.45	8
9	14.10	14.75	15.23	14.45	12.73	13.97	11.90	10.43	9.98	9.37	9.63	10.48	9
10	13.70	14.84	15.20	14.73	13.11	14.14	11.50	10.38	10.08	9.38	9.68	10.30	10
11	13.32	14.93	14.99	14.82	13.30	13.60	11.15	10.48	9.95	9.38	9.83	10.21	11
12	13.30	14.96	14.90	14.71	13.21	13.41	10.93	10.64	9.80	9.37	9.83	10.35	12
13	13.30	14.86	15.02	14.59	12.94	13.62	10.89	10.77	9.72	9.42	9.75	10.39	13
14	13.28	14.70	14.88	14.30	12.82	13.68	10.89	10.96	9.80	9.51	9.74	10.41	14
15	13.30	14.82	15.01	14.05	12.86	13.62	11.0	10.93	9.76	9.66	9.70	10.52	15
16	13.54	14.85	15.23	13.91	12.70	13.74	10.70	10.77	9.68	9.62	9.71	10.58	16
17	13.50	14.78	15.16	13.80	12.54	13.81	10.52	10.67	9.82	9.56	9.68	10.44	17
18	13.50	14.67	15.02	13.78	12.43	14.13	10.57	10.60	9.70	9.44	10.00	10.38	18
19	13.58	14.81	14.96	13.75	12.37	14.06	10.39	10.58	9.67	9.33	10.13	10.27	19
20	13.78	14.83	14.96	13.67	12.35	14.55	10.36	10.66	9.45	9.32	10.18	10.25	20
21	14.04	14.85	14.78	13.62	12.68	14.64	10.43	10.47	9.60	9.36	10.31	10.28	21
22	14.36	15.10	14.78	13.39	13.71	14.66	10.60	10.41	9.54	9.58	10.50	10.35	22
23	14.47	15.00	14.79	13.00	14.28	14.48	10.59	10.34	9.68	9.56	10.56	10.44	23
24	14.27	14.81	14.63	13.24	15.08	14.11	10.60	10.44	9.81	9.46	10.43	10.45	24
25	14.39	14.63	14.45	13.34	15.10	13.85	10.66	10.42	9.59	9.38	10.43	10.45	25
26	14.80	14.84	14.36	13.36	14.93	13.63	10.56	10.33	9.44	9.42	10.60	10.50	26
27	15.15	14.72	14.32	13.30	14.74	13.51	10.46	10.40	9.47	9.47	10.60	10.62	27
28	15.23	14.72	14.35	13.13	14.44	13.24	10.61	10.21	9.55	9.50	10.48	10.51	28
29	14.91	15.09	14.32	12.97	14.29	12.70	10.66	10.00	9.43	9.60	10.58	10.53	29
30	14.74	15.16	14.30	12.95		12.84	10.51	9.90	9.44	9.49	10.44	10.57	30
31	15.20		14.23	13.33		13.15		9.73		9.43	10.27		31

**MAXIMUM INSTANTANEOUS GAGE HEIGHTS**

E - ESTIMATED  
 NR - NO RECORD  
 NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
12- 2-67	0600	15.42									
2-24-68	2100	15.26									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 40 34	121 15 51		79000	32.81	12-9-1950	JUL 22-DEC 23 <sup>0</sup>	JUL 22-DEC 23 <sup>0</sup>	1931	1959	5.06	USCGS
						JAN 24-FEB 25	JAN 24-FEB 25	1959		0.0	USCGS
						JUN 25-OCT 28 <sup>0</sup>	JUN 25-OCT 28 <sup>0</sup>	1959		3.3	USED
						MAY 29-DATE	MAY 29-DATE				

Station located 30 feet above the Durham Ferry Highway bridge, 3 miles below the Stanislaus River, 3.4 miles northeast of Vernalis. Maximum discharge listed at site then in use and present datum. Records furnished by USGS. Drainage area is 13,540 square miles.

<sup>0</sup> - Irrigation season only.

TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	B02105	MOKELUMNE RIVER AT WOODBRIDGE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	10.68	12.79	4.24	4.19	5.15	9.27	4.28	3.64	3.57	3.64	3.64	3.52	1
2	10.71	12.18	4.25	4.19	5.01	9.28	4.91	3.64	3.57	3.62	3.65	3.55	2
3	10.73	11.00	4.25	4.52	4.96	9.30	4.56	3.64	3.58	3.60	3.68	3.62	3
4	10.73	9.33	4.28	4.93	4.95	9.31	4.28	3.64	3.59	3.61	3.74	3.62	4
5	10.66	7.41	4.40	4.95	4.93	9.30	4.24	3.65	3.60	3.61	3.79	3.53	5
6	10.69	6.96	4.35	4.96	4.92	6.29	4.26	3.65	3.61	3.60	3.75	3.51	6
7	10.78	6.81	4.29	4.96	4.92	7.88	4.23	3.64	3.62	3.61	3.74	3.49	7
8	10.83	6.72	4.26	4.95	4.97	9.05	3.97	3.63	3.63	3.63	3.70	3.48	8
9	10.83	6.65	4.23	4.95	4.92	8.99	3.78	3.60	3.63	3.63	3.68	3.48	9
10	10.79	6.59	4.23	5.05	4.90	8.97	3.73	3.58	3.62	3.62	3.68	3.48	10
11	11.17	6.57	4.22	5.00	4.90	8.98	3.73	3.57	3.62	3.61	3.68	3.48	11
12	11.22	6.56	4.22	4.96	4.88	8.98	3.77	3.57	3.62	3.62	3.72	3.48	12
13	11.19	6.68	4.21	4.95	4.88	9.04	3.83	3.58	3.62	3.63	3.72	3.48	13
14	11.16	6.63	4.22	4.96	4.87	8.06	3.83	3.59	3.61	3.64	3.71	3.47	14
15	11.19	5.62	4.22	5.07	4.87	6.92	3.78	3.59	3.61	3.65	3.67	3.48	15
16	11.20	4.77	4.23	4.98	4.94	5.65	3.72	3.60	3.60	3.66	3.65	3.49	16
17	11.30	4.68	4.24	4.94	4.97	5.29	3.72	3.60	3.59	3.66	3.67	3.48	17
18	11.30	4.57	4.30	4.93	4.91	5.10	3.74	3.58	3.58	3.64	3.72	3.51	18
19	11.44	4.53	4.26	4.93	4.89	4.97	3.72	3.59	3.57	3.62	3.87	3.53	19
20	11.39	4.43	4.24	4.93	4.98	4.92	3.69	3.60	3.56	3.61	3.82	3.53	20
21	11.41	4.36	4.24	4.93	5.12	4.58	3.70	3.61	3.55	3.62	3.77	3.60	21
22	11.42	4.32	4.23	4.93	8.13	4.61	3.70	3.61	3.53	3.64	3.79	3.68	22
23	11.35	4.36	4.23	4.92	9.05	4.70	3.69	3.60	3.54	3.65	3.71	3.78	23
24	11.31	4.38	4.22	4.93	9.16	4.72	3.66	3.59	3.58	3.65	3.67	3.68	24
25	11.22	4.30	4.21	4.94	9.20	4.73	3.65	3.58	3.58	3.62	3.68	3.62	25
26	11.12	4.23	4.21	4.94	9.22	4.72	3.62	3.58	3.59	3.58	3.68	3.61	26
27	11.12	4.22	4.21	4.93	9.24	4.75	3.61	3.58	3.60	3.55	3.65	3.60	27
28	11.14	4.22	4.19	4.94	9.24	4.33	3.62	3.59	3.61	3.54	3.65	3.60	28
29	11.25	4.23	4.17	4.93	9.24	4.02	3.63	3.58	3.61	3.59	3.65	3.60	29
30	11.52	4.29	4.17	5.24	3.99	3.99	3.64	3.57	3.62	3.62	3.63	3.61	30
31	13.03		4.18	5.51		4.04		3.57		3.63	3.62		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED

NR - NO RECORD

NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
10-31	1600	15.05									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 09 30	121 18 10	NE 34 4N 6E	27,000	29.58	11-22-1950	MAY 24-OCT 25 <sup>0</sup> JAN 26-DATE	MAY 1924-DATE	1924	1931	18.9 14.9	USCGS USCGS

Station located 0.3 mile below county highway bridge, 0.4 mile below dam and canal intake of Woodbridge Irrigation District. Flow regulated by reservoirs and powerplants. Records furnished by USGS. Drainage area is 661 square miles.

<sup>0</sup> - Irrigation season only.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	B11150	GOSUMNES RIVER AT MICHIGAN BAR

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2.56	2.64	3.15	2.97	4.20	4.26	4.36	3.58	2.99	2.64	2.70	2.33	1
2	2.60	2.63	3.00	2.96	3.97	4.17	4.50	3.57	2.97	2.64	2.71	2.30	2
3	2.63	2.63	2.93	2.94	4.11	4.10	4.36	3.55	2.95	2.65	2.72	2.29	3
4	3.22	2.64	3.08	2.90	3.95	4.05	4.27	3.53	2.93	2.68	2.69	2.29	4
5	2.97	2.65	3.76	2.88	3.82	3.99	4.22	3.52	2.92	2.69	2.68	2.29	5
6	2.88	2.64	3.72	2.89	3.76	3.94	4.17	3.48	2.91	2.68	2.67	2.27	6
7	2.83	2.64	3.37	2.90	3.72	3.92	4.12	3.44	2.95	2.67	2.66	2.25	7
8	2.80	2.62	3.47	2.92	3.68	4.14	4.08	3.40	2.96	2.66	2.63	2.25	8
9	2.77	2.63	3.27	2.93	3.67	4.43	4.06	3.38	2.95	2.69	2.61	2.26	9
10	2.74	2.63	3.15	3.11	3.82	4.18	4.04	3.35	2.87	2.68	2.62	2.26	10
11	2.72	2.62	3.09	3.74	3.73	4.03	4.05	3.33	2.86	2.72	2.61	2.25	11
12	2.69	2.63	3.03	3.38	3.64	3.96	4.04	3.32	2.82	2.74	2.65	2.27	12
13	2.67	2.64	2.97	3.22	3.59	4.15	4.02	3.36	2.82	2.73	2.68	2.29	13
14	2.67	2.68	2.85	3.16	3.56	4.60	3.98	3.61	2.80	2.80	2.68	2.28	14
15	2.67	2.82	2.77	4.06	3.53	4.40	3.97	3.47	2.75	2.88	2.64	2.28	15
16	2.66	2.88	2.85	4.42	3.52	4.53	3.93	3.40	2.73	2.88	2.63	2.28	16
17	2.65	2.78	2.95	3.93	3.05	4.94	3.88	3.34	2.73	2.88	2.65	2.28	17
18	2.64	2.75	3.00	3.64	4.57	4.58	3.82	3.29	2.73	2.84	2.67	2.25	18
19	2.64	3.14	3.05	3.48	4.76	4.37	3.76	3.26	2.69	2.75	2.63	2.26	19
20	2.64	3.37	3.05	3.39	6.28	4.24	3.74	3.26	2.66	2.74	2.74	2.27	20
21	2.64	3.05	3.00	3.34	6.07	4.18	3.71	3.25	2.66	2.73	2.83	2.25	21
22	2.65	2.90	2.97	3.29	5.52	4.18	3.67	3.25	2.65	2.72	2.71	2.25	22
23	2.64	2.83	2.95	3.27	5.24	4.16	3.63	3.22	2.63	2.72	2.60	2.21	23
24	2.65	2.81	2.97	3.26	5.13	4.15	3.61	3.18	2.84	2.73	2.54	2.25	24
25	2.65	2.79	2.97	3.24	4.84	4.16	3.61	3.17	2.84	2.73	2.48	2.24	25
26	2.64	2.77	3.00	3.22	4.68	4.22	3.59	3.16	2.79	2.74	2.44	2.25	26
27	2.64	2.77	3.05	3.28	4.54	4.21	3.59	3.13	2.69	2.74	2.40	2.26	27
28	2.64	2.79	3.05	3.31	4.43	4.18	3.58	3.10	2.70	2.74	2.37	2.26	28
29	2.63	2.83	3.05	3.24	4.35	4.21	3.59	3.06	2.64	2.73	2.37	2.25	29
30	2.63	2.97	3.03	4.42	4.28	4.28	3.60	3.04	2.63	2.73	2.37	2.23	30
31	2.64		3.00	4.95	4.30	4.30		3.01		2.73	2.33		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED

NR - NO RECORD

NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-20-68	0900	6.56									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 30 00	121 02 45	SE 36 8N 8E	42000	14.59	12-23-1955	OCT 1907-DATE	OCT 1907-DATE	1907		168.09	USCGS

Station located on highway bridge, 5.5 miles southwest of Latrobe. Flow partly regulated by Jenkinson Lake. Records furnished by USGS. Drainage area is 536 square miles.

TABLE B-11 (Cont.)  
DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	B01125	COSUMNES RIVER AT MCCONNELL

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NF	30.33	31.19	31.20	34.42	33.37	33.46	32.14	31.13	NF	NF	NF	1
2	NF	30.38	31.32	31.18	33.09	33.23	33.86	32.12	31.10	NF	NF	NF	2
3	NF	30.51	31.16	31.18	33.02	33.07	33.65	32.10	31.07	NF	NF	NF	3
4	30.50	30.48	31.23	31.15	32.89	32.95	33.46	32.05	NR	NF	NF	NF	4
5	31.22	30.52	31.47	31.10	32.60	32.85	33.33	32.02	30.93	NF	NF	NF	5
6	30.98	30.54	32.70	31.08	32.41	32.78	33.24	31.97	30.92	NF	NF	NF	6
7	30.88	30.52	31.99	31.10	32.34	32.71	33.14	31.92	30.95	NF	NF	NF	7
8	30.81	30.51	31.85	31.09	32.26	33.59	33.06	31.87	30.99	NF	NF	NF	8
9	30.76	30.48	31.78	31.13	32.18	34.46	33.00	31.81	30.95	NF	NF	NF	9
10	30.74	30.72	31.52	31.18	32.24	33.58	32.98	31.76	30.89	NF	NF	NF	10
11	30.77	30.90	31.38	33.13	32.36	33.10	32.97	31.74	30.81	NF	NF	NF	11
12	30.64	30.43	31.33	32.06	32.19	32.87	32.98	31.70	30.79	NF	NF	NF	12
13	30.59	30.52	31.29	31.65	32.09	32.87	32.93	31.71	30.79	NF	NF	NF	13
14	30.56	30.57	31.23	31.50	32.02	33.90	32.86	31.96	30.77	NF	NF	NF	14
15	30.54	30.63	31.07	31.97	31.96	33.95	32.82	32.13	NR	NF	NF	NF	15
16	30.57	30.79	31.02	34.13	31.95	33.73	32.79	31.92	NR	NF	NF	NF	16
17	30.57	30.85	31.16	33.18	32.19	35.89	32.73	31.80	NR	NR	NF	NF	17
18	30.53	30.74	31.22	32.46	34.13	34.85	32.60	31.72	NR	30.26	NF	NF	18
19	30.48	30.75	31.29	32.08	33.78	33.98	32.50	31.64	NF	30.89	NF	NF	19
20	30.47	31.47	31.34	31.87	37.07	33.57	32.45	31.60	NF	NR	NF	NF	20
21	30.45	31.47	31.30	31.74	38.94	33.31	32.42	31.54	NF	30.82	NF	NF	21
22	30.50	31.14	31.24	31.65	37.88	33.25	32.35	31.52	NF	31.05	NF	NF	22
23	30.51	30.98	31.20	31.60	36.00	33.21	32.29	31.50	NF	NR	NF	NF	23
24	30.50	30.89	31.18	31.56	35.88	33.17	32.23	31.42	NF	NF	NF	NF	24
25	30.51	30.88	31.19	31.53	35.02	33.16	32.20	31.40	NF	NF	NF	NF	25
26	30.48	30.86	31.22	31.50	34.46	33.23	32.16	31.35	NF	NF	NF	NF	26
27	30.52	30.85	31.24	31.49	34.06	33.26	32.14	31.34	NF	NF	NF	NF	27
28	30.50	30.85	31.27	31.59	33.78	33.21	32.14	31.30	NF	NF	NF	NF	28
29	30.50	30.89	31.28	31.57	33.57	33.19	32.13	31.26	NF	NF	NF	NF	29
30	30.49	31.00	31.28	31.73		33.30	32.15	31.24	NF	NF	NF	NF	30
31	30.44		31.25	36.27		33.42		31.17		NF	NF	NF	31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-20	2200	39.57									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 21 29	121 20 34	20 6N 6E	54,000	46.26	12-23-1955	OCT 1941-DATE	JAN 31-MAY 40 #	1931		0.00	USED
							OCT 41-DATE				

Station located on U. S. Highway 99 bridge, 0.2 mile south of McConnell, 7.0 miles north of Galt. Maximum discharge of record listed is for period 1943 to date. Records furnished by U. S. Geological Survey. Drainage area is 724 square miles.

# - Flood season only.



TABLE B-11 (Cont.)

DAILY MEAN GAGE HEIGHT  
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	G32100	EAGLE LAKE NEAR SUSANVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	6.36	6.29	6.35	6.45 E	6.59 E	7.28	7.67	7.68	7.51	7.15	6.70	6.35	1
2	6.33	6.28	6.35	6.45 E	6.59 E	7.31	7.71	7.67	7.50	7.14	6.69	6.34	2
3	6.43	6.28	6.36	6.45 E	6.59 E	7.34	7.71	7.67	7.49	7.13	6.68	6.33	3
4	6.41	6.28	6.35	6.45 E	6.59 E	7.35	7.70	7.67	7.49	7.13	6.66	6.32	4
5	6.42	6.27	6.42	6.45 E	6.59 E	7.37	7.73	7.67	7.50	7.12	6.64	6.31	5
6	6.42	6.28	6.41	6.45 E	6.59 E	7.34	7.73	7.66	7.51	7.12	6.63	6.30	6
7	6.41	6.27	6.45	6.45 E	6.59 E	7.40	7.74	7.65	7.50	7.11	6.60	6.29	7
8	6.41	6.24	6.45	6.45 E	6.59 E	7.42	7.75	7.64	7.48	7.09	6.58	6.28	8
9	6.41	6.26	6.45	6.45 E	6.59 E	7.43	7.76	7.64	7.47	7.07	6.57	6.27	9
10	6.40	6.26	6.45	6.45 E	6.59 E	7.44	7.76	7.63	7.46	7.04	6.56	6.26	10
11	6.39	6.26	6.45	6.45 E	6.59 E	7.45	7.76	7.62	7.44	7.01	6.54	6.25	11
12	6.39	6.25	6.45	6.45 E	6.59 E	7.46	7.76	7.60	7.42	6.98	6.52	6.24	12
13	6.40	6.25	6.45	6.45 E	6.59 E	7.50	7.76	7.60	7.42	6.96	6.50	6.21	13
14	6.38	6.25	6.45	6.45 E	6.59 E	7.50	7.76	7.60	7.42	6.94	6.48	6.20	14
15	6.36	6.25	6.45	6.45 E	6.59 E	7.51	7.76	7.59	7.41	6.92	6.46	6.19	15
16	6.36	6.25	6.45 E	6.54	6.59 E	7.52	7.76	7.58	7.40	6.91	6.47	6.18	16
17	6.36	6.25	6.45 E	6.59	6.59 E	7.57	7.75	7.58	7.40	6.90	6.48	6.16	17
18	6.36	6.26	6.45 E	6.59 E	6.59	7.57	7.74	7.57	7.39	6.89	6.47	6.13	18
19	6.36	6.34	6.45 E	6.59 E	6.60	7.57	7.73	7.57	7.36	6.87	6.45	6.14	19
20	6.35	6.34	6.45 E	6.59 E	6.75	7.57	7.73	7.56	7.34	6.85	6.46	6.12	20
21	6.33	6.34	6.45 E	6.59 E	6.88	7.58	7.72	7.56	7.34	6.83	6.46	6.10	21
22	6.34	6.34	6.45 E	6.59 E	6.94	7.58	7.70	7.56	7.33	6.81	6.45	6.08	22
23	6.33	6.34	6.45 E	6.59 E	7.00	7.58	7.70	7.56	7.32	6.79	6.45	6.07	23
24	6.33	6.34	6.45 E	6.59 E	7.07	7.59	7.70	7.56	7.29	6.77	6.44	6.07	24
25	6.33	6.34	6.45 E	6.59 E	7.10	7.58	7.70	7.55	7.28	6.75	6.42	6.06	25
26	6.32	6.33	6.45 E	6.59 E	7.15	7.62	7.70	7.55	7.27	6.74	6.39	6.05	26
27	6.31	6.34	6.45 E	6.59 E	7.20	7.63	7.69	7.55	7.25	6.73	6.38	6.05	27
28	6.32	6.34	6.45 E	6.59 E	7.22	7.64	7.68	7.54	7.21	6.72	6.38	6.04	28
29	6.30	6.34	6.45 E	6.59 E	7.25	7.65	7.68	7.54	7.19	6.71	6.36	6.02	29
30	6.29	6.35	6.45 E	6.59 E		7.65	7.68	7.53	7.16	6.70	6.36	6.02	30
31	6.29		6.45 E	6.59 E		7.66		7.52		6.70	6.35		31

MAXIMUM INSTANTANEOUS GAGE HEIGHTS

E - ESTIMATED  
NR - NO RECORD  
NF - NO FLOW

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
4-9-68	0000	7.76									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 36 45	120 43 34	SW22 32N 11E		7.25	6-19-58		OCT 56-DATE	1956		5095.06	USCGS

Station located on east shore, 14 mi. NW of Susanville.

TABLE B-12

DAILY MAXIMUM AND MINIMUM TIDES

This table shows the water surface elevations for the daily high and low tides referenced to gage datum. The maximum and minimum water surface elevations are reported for those days where normal tide patterns did not occur.



TABLE 8-12  
DAILY MAXIMUM AND MINIMUM TIDES  
SACRAMENTO RIVER AT SACRAMENTO WEIR

STATION NO	WATER YEAR
A02105	1968

in feet

DATE	OCT	NOV	DEC	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	9.73 8.97	9.38 8.24	9.38 8.49	9.36 8.49	16.00 A 15.82 A	25.06 A 24.82 A	10.80 10.27	7.78 6.34	7.62 6.14	7.63 6.62	8.27 7.15	8.61 6.97	
2	9.42 8.69	9.75 8.80	9.44 8.40	9.15 8.32	15.80 A 14.60 A	24.82 A 24.37 A	10.79 10.20	7.76 6.43	7.21 5.92	7.57 6.65	8.40 7.28	8.59 6.87	2
3	9.34 8.74	9.99 9.05	9.81 8.58	8.85 8.29	14.61 A 14.26 A	24.37 A 23.70 A	10.64 10.10	8.09 7.12	6.93 5.83	7.61 6.36	8.60 7.34	8.42 6.79	3
4	10.06 9.10	9.99 9.18	10.04 8.77	8.47 8.03	15.25 A 14.61 A	23.70 A 22.82 A	10.49 9.85	8.15 7.11	7.05 6.26	7.62 6.51	8.80 7.40	8.59 7.03	4
5	10.07 9.53	9.63 8.94	10.34 9.44	8.32 7.85	15.27 A 14.78 A	22.79 A 21.32 A	10.15 9.42	8.17 7.47	7.55 6.22	7.87 6.80	8.98 7.53	8.40 7.01	5
6	10.00 9.42	9.16 8.55	10.21 9.81	8.18 7.70	14.76 A 13.74 A	21.29 A 19.36 A	9.64 9.02	8.11 7.61	7.37 6.16	8.41 7.20	8.90 7.41	8.33 7.15	6
7	9.93 A 9.51 A	9.09 8.17	10.86 10.38	8.12 7.43	13.74 A 12.98 A	19.35 A 17.65 A	9.38 9.25	8.26 7.53	7.58 6.70	8.91 7.42	8.80 7.44	8.30 7.33	7
8	9.90 A 9.50 A	8.72 8.26	10.72 10.09	8.14 7.47	12.97 A 12.44 A	17.65 A 16.50 A	9.26 8.90	8.29 7.61	8.16 7.04	9.10 7.50	8.84 7.55	8.37 7.44	8
9	9.89 A 9.46 A	8.83 8.05	10.35 9.93	8.38 7.47	12.50 A 12.00 A	16.47 A 15.59 A	8.98 8.62	8.52 7.79	8.64 7.34	8.93 7.17	8.71 7.45	8.51 7.67	9
10	9.84 A 9.41 A	8.38 7.55	10.24 9.86	9.44 A 7.73 A	12.19 A 11.83 A	15.58 A 14.83 A	8.71 8.24	8.54 7.66	8.90 7.50	8.75 7.09	8.52 7.48	8.59 7.71	10
11	9.49 A 9.32 A	8.07 7.44	9.99 9.51	10.24 A 8.38 A	12.18 11.68	14.81 A 14.24 A	8.76 8.22	8.59 7.58	9.00 7.50	8.53 7.04	8.37 7.42	8.72 7.91	11
12	9.33 A 9.19 A	8.15 7.43	9.54 A 9.08 A	12.22 A 10.25 A	11.92 11.62	14.21 A 13.85 A	8.87 8.16	8.71 7.54	8.73 7.13	8.39 7.04	8.32 7.49	8.81 7.97	12
13	9.19 A 9.04 A	8.25 7.49	9.10 A 8.71 A	11.99 A 10.91 A	11.64 11.25	14.01 A 13.64 A	9.00 8.11	9.14 7.93	8.29 6.68	8.30 7.05	8.14 7.24	9.18 8.10	13
14	9.03 A 8.81 A	8.63 7.68	8.94 8.40	10.87 A 10.17 A	11.97 11.04	14.83 A 13.97 A	8.92 7.96	9.13 8.04	7.93 6.45	8.09 7.03	7.61 7.21	8.39 8.15	14
15	8.81 A 8.75 A	8.72 7.94	9.77 8.50	11.05 A 9.89 A	11.58 11.20	15.32 A 14.82 A	8.91 7.85	9.54 8.46	7.56 6.16	7.89 6.97	8.28 7.25	9.00 8.03	15
16	8.79 A 8.76 A	8.80 7.87	9.72 9.01	14.34 A 11.05 A	11.01 10.73	15.45 A 15.23 A	8.90 7.47	9.38 8.18	7.24 6.15	7.91 6.85	8.35 7.42	8.79 7.76	16
17	9.05 8.55	9.09 8.03	9.80 8.87	14.89 A 14.34 A	11.09 10.61	16.12 A 15.30 A	8.02 6.70	9.17 8.04	7.23 6.19	7.88 6.67	8.72 7.40	8.60 7.72	17
18	9.19 8.45	9.15 8.23	10.14 9.15	15.12 A 14.81 A	14.23 A 11.01 A	16.57 A 16.13 A	7.76 6.50	8.58 7.39	7.39 6.36	7.80 6.72	8.58 7.43	8.83 7.92	18
19	9.18 8.63	9.28 8.32	9.84 9.14	15.07 A 14.11 A	16.15 A 14.26 A	16.56 A 15.75 A	7.62 6.32	8.49 7.71	7.51 6.35	7.95 6.82	8.60 7.43	8.90 7.78	19
20	9.22 8.51	9.01 8.32	9.58 8.97	14.09 A 12.83 A	19.18 A 16.16 A	15.74 A 14.37 A	7.17 6.08	8.34 7.64	7.61 6.26	8.28 6.96	8.67 7.31	8.66 7.49	20
21	9.36 8.60	8.88 8.01	9.16 8.75	12.82 A 11.78 A	21.92 A 19.22 A	14.36 A 13.14 A	6.87 5.88	8.38 7.67	7.49 6.15	8.38 7.00	8.57 7.22	8.22 7.22	21
22	9.25 8.56	8.84 7.96	8.78 8.48	11.80 A 11.00 A	24.06 A 21.95 A	13.13 A 12.28 A	6.79 5.91	8.36 7.51	7.72 6.36	8.49 7.05	8.57 7.61	8.12 7.31	22
23	9.04 8.39	8.59 7.88	8.66 8.16	11.04 A 10.28 A	24.50 A 24.05 A	12.31 12.15	6.86 5.96	8.49 7.89	8.09 6.64	8.56 7.14	8.95 7.99	8.04 7.27	23
24	9.06 8.29	8.22 7.68	8.77 8.18	10.63 A 9.92 A	25.04 A 24.51 A	11.79 11.61	7.01 6.16	8.72 7.89	8.33 6.73	8.57 7.06	8.96 7.99	8.19 7.30	24
25	8.69 8.32	8.31 7.58	8.86 8.14	10.57 A 9.82 A	25.11 A 25.03 A	11.60 11.28	7.08 6.12	8.62 7.76	8.34 6.70	8.49 7.05	8.70 7.73	8.34 7.29	25
26	9.05 8.43	8.41 7.72	9.13 8.23	10.72 9.68	25.08 A 25.03 A	11.27 10.97	7.14 6.22	8.61 7.62	8.63 6.90	8.48 7.17	8.26 7.41	8.48 7.28	26
27	9.06 8.40	8.55 7.75	9.20 8.36	10.47 9.58	25.18 A 25.02 A	11.05 10.75	7.42 6.45	8.70 7.58	8.25 6.50	8.54 7.33	8.16 7.26	8.57 7.33	27
28	9.17 8.64	8.73 7.91	9.48 8.54	10.21 9.33	25.21 A 25.14 A	10.81 10.40	7.93 6.81	8.79 7.55	8.18 6.59	8.49 7.51	8.11 7.09	8.80 7.32	28
29	9.09 8.50	9.30 8.01	9.63 8.63	10.58 9.26	25.22 A 25.04 A	10.53 10.10	7.86 6.50	8.60 7.19	7.62 6.24	8.30 7.31	8.09 7.01	8.23 7.50	29
30	8.85 8.34	9.58 8.39	9.69 8.76	11.80 9.75 A	10.47 9.96	7.90 6.43	8.31 6.74	8.31 6.74	7.62 6.48	8.07 7.30	7.28 6.96	8.92 7.39	30
31	8.80 8.25		9.49 8.68	15.85 A 11.84 A	10.65 10.05			8.03 6.42		8.26 7.22	8.58 7.14		31
MAXIMUM	10.07	9.99	10.86	15.85 A	25.22 A	25.06 A	10.80	9.54	9.00	9.10	8.98	9.18	MAXIMUM
MINIMUM	8.25	7.43	8.14	7.43	10.61	9.96	5.88	6.34	5.83	6.36	6.96	6.79	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
2-1-1968	1100	16.00									
2-29-1968	1000	25.22									

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 36 09	121 33 12	NE 29 9N 4E		33.1	12-23-1955		NOV 26-JUL 37 #	1926		0.00	USED
							OCT 37-DATE	1926		-3.07	USCGS
									1964	-3.49	USCGS
										-3.00	USCGS

Station located 100 feet below weir, 4 miles northwest of Sacramento. Station located in tidal zone.  
# - Flood season only.

TABLE 8-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT SACRAMENTO

in feet

STATION NO	DATE YEAR
A02100	1968

DATE	OCT	NOV	DEC	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.05 4.97	5.82 4.47	5.93 4.80	5.87 4.72	11.62 A 11.48 A	20.82 A 20.40 A	7.11 6.44	4.49 2.69	4.28 2.48	4.35 3.13	4.63 3.37	5.24 3.20	
2	5.75 4.72	6.22 5.05	5.96 4.60	5.61 4.57	11.51 A 10.48 A	20.60 A 20.20 A	7.00 6.29	4.43 2.75	3.88 2.25	4.29 3.17	4.96 3.53	5.22 3.11	2
3	5.62 4.72	6.47 5.28	6.39 4.85	5.28 4.40	10.45 A 10.10 A	20.18 A 19.50 A	6.87 6.18	4.76 3.17	3.57 2.17	4.35 2.87	5.19 3.56	5.06 3.02	3
4	6.24 4.97	6.53 5.45	6.57 5.09	4.84 4.22	10.83 A 10.10 A	19.52 A 18.70 A	6.74 A 5.96 A	4.69 3.26	3.68 2.69	4.40 3.02	5.41 3.62	5.24 3.27	4
5	6.25 5.42	6.17 5.25	6.67 5.70	4.67 4.02	10.93 A 10.48 A	18.69 A 17.28 A	6.44 A 5.54 A	4.55 3.53	4.30 2.63	4.65 3.32	5.59 3.75	5.00 3.18	5
6	6.22 5.34	5.69 4.84	6.44 5.92	4.52 3.86	10.47 A 9.50 A	17.23 A 15.40 A	5.87 5.11	4.43 3.98	4.07 2.54	5.24 3.75	5.51 3.60	4.87 3.30	6
7	6.15 5.27	5.62 4.44	7.16 6.53	4.46 3.50	9.53 A 8.80 A	15.38 A 13.70 A	5.63 5.45	4.52 3.63	4.27 3.05	5.74 3.96	5.39 3.64	4.76 3.41	7
8	6.17 5.17	5.14 4.52	7.02 6.27	4.52 3.59	9.08 A 8.80 A	13.72 A 12.40 A	5.57 4.95	4.67 3.80	4.81 3.35	5.93 4.05	5.45 3.78	4.73 3.57	8
9	6.14 5.13	5.29 4.27	6.61 6.05	4.81 3.53	8.60 A 8.03 A	12.52 A 11.66 A	5.30 4.79	4.60 4.03	5.31 3.65	5.75 3.66	5.28 3.64	4.84 3.70	9
10	5.53 5.06	4.86 3.84	6.55 6.01	6.03 3.90	8.42 7.90	11.64 A 10.90 A	5.12 4.40	5.00 3.84	5.55 3.81	5.56 3.57	5.06 3.68	4.89 3.68	10
11	5.78 4.84	4.56 3.72	6.37 5.76	6.05 A 4.61 A	8.40 7.70	10.88 A 10.30 A	5.17 4.34	5.10 3.78	5.68 3.84	5.32 3.51	4.85 3.63	5.02 3.87	11
12	5.70 4.81	4.68 3.75	5.80 5.32	8.24 A 6.06 A	8.17 7.40	10.33 A 10.00 A	5.36 4.45	5.22 3.74	5.42 3.48	5.15 3.51	4.81 3.72	5.11 3.91	12
13	5.52 4.64	4.77 3.79	5.31 4.93	7.74 7.48	7.92 7.32	10.22 9.60	5.49 4.39	5.68 4.12	4.99 3.02	5.05 3.51	4.62 3.40	5.51 4.03	13
14	5.26 4.31	5.15 3.98	3.29 4.60	6.95 6.38	8.13 7.10	10.85 10.02	5.42 4.24	5.60 4.07	4.64 2.83	4.78 3.45	4.76 3.36	5.29 4.08	14
15	5.21 4.51	5.24 4.23	6.29 4.72	7.31 6.10	7.72 7.30	11.27 10.78	5.48 4.21	5.85 4.52	4.26 2.56	4.40 3.34	3.74 3.40	4.27 3.87	15
16	5.29 4.65	5.36 4.18	6.27 5.34	10.13 A 7.10 A	7.31 6.90	11.44 11.15	5.55 3.82	5.77 4.25	3.95 2.60	4.52 3.18	4.83 3.55	5.03 3.55	16
17	5.40 4.66	5.67 4.37	6.36 5.19	10.67 A 10.05 A	7.39 6.78	11.87 A 11.20 A	4.61 3.00	5.53 4.12	3.95 2.63	4.49 2.96	5.26 3.54	4.85 3.58	17
18	5.57 4.68	5.77 4.62	6.74 5.51	10.84 10.42	9.80 A 7.00 A	12.23 A 11.87 A	4.40 2.87	4.92 3.80	4.12 2.87	4.40 3.05	5.10 3.58	5.15 3.92	18
19	5.59 4.81	5.90 4.74	6.40 5.49	10.44 10.02	11.81 A 9.84 A	12.09 A 11.54 A	4.29 2.71	4.82 3.72	4.27 2.91	4.60 3.13	5.13 3.61	5.28 3.84	19
20	5.64 4.71	5.60 4.73	6.10 5.30	9.40 8.81	14.52 A 11.82 A	11.53 A 10.24 A	3.82 2.40	4.65 3.56	4.41 2.83	4.95 3.28	5.22 3.46	5.05 3.53	20
21	5.82 4.80	5.45 4.34	5.59 5.03	8.44 7.80	17.40 A 14.53 A	10.23 A 9.06 A	3.51 2.21	4.74 3.75	4.30 2.64	5.06 3.34	5.10 3.45	4.53 3.20	21
22	5.69 4.75	5.40 4.28	5.13 4.73	7.90 A 7.11 A	19.71 A 17.40 A	9.05 A 8.25 A	3.35 2.62	4.75 3.60	4.50 2.83	5.17 3.37	5.00 3.61	4.40 3.28	22
23	5.46 4.57	5.12 4.20	5.00 4.34	7.33 A 6.43 A	20.13 A 19.70 A	8.45 8.19	3.45 2.29	4.84 3.92	4.90 3.13	5.24 3.48	5.26 4.05	4.35 3.26	23
24	5.47 4.44	4.69 3.98	5.14 4.38	6.98 A 6.08 A	20.72 A 20.00 A	7.93 7.63	3.63 2.56	5.08 3.92	5.12 3.23	5.25 3.39	5.29 4.02	4.54 3.32	24
25	5.00 4.48	4.81 3.88	5.28 4.35	6.98 A 6.03 A	20.83 A 20.40 A	7.82 7.29	3.71 2.50	4.98 3.77	5.16 3.22	5.17 3.38	5.08 3.79	4.77 3.33	25
26	5.43 4.56	4.89 4.01	5.61 4.47	7.20 5.89	20.79 A 20.50 A	7.42 7.04	3.73 2.54	5.00 3.61	5.48 3.48	5.16 3.50	4.63 3.49	4.94 3.37	26
27	5.44 4.54	5.08 4.05	5.69 4.64	6.92 A 5.88 A	20.89 A 20.40 A	7.22 6.82	4.01 2.82	5.12 3.62	5.10 3.05	5.19 3.66	4.61 3.38	5.10 3.47	27
28	5.53 4.78	5.28 4.20	6.00 4.77	6.71 5.61	20.95 A 20.87 A	7.02 6.51	4.56 3.15	5.28 3.66	5.04 3.15	5.11 3.82	4.53 3.12	5.33 3.39	28
29	5.44 4.63	5.94 4.30	6.16 4.90	7.10 5.54	21.00 A 20.83 A	6.79 6.24	4.55 2.89	5.14 3.36	4.40 2.73	4.85 3.58	4.57 3.10	4.62 3.64	29
30	5.23 4.52	6.22 4.70	6.23 5.06	7.82 A 6.06 A		6.76 6.08	4.64 2.86	4.88 2.93	4.36 2.93	4.81 3.58	5.17 3.07	5.45 3.48	30
31	5.23 4.47		6.00 4.98	11.50 A 7.84 A		6.94 6.19		4.67 2.67		4.35 3.48	3.85 3.37		31
MAXIMUM	6.25	6.53	7.16	11.50	21.00	20.82	7.11	5.85	5.68	5.93	5.59	5.51	MAXIMUM
MINIMUM	4.31	3.72	4.34	3.50	6.78	6.08	2.21	2.67	2.17	2.87	3.07	3.02	MINIMUM

E - Estimated  
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A High flows affected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 35 20	121 30 15	NW 35 9N 4E	104,000	30.14	11-21-1950	04-05 JUN 21-NOV 21 MAY 24-DEC 42 ½ MAY 43-DATE	JAN 04-JUL 05 20-DATE	1904	1956	0.12	USCGS
								1956		0.00	USCGS
								1956		2.93	USED
									1965	-0.23	USCGS
										0.00	USCGS

Station located 1,000 feet above I Street bridge, 0.5 mile below the American River. Below approximately 30,000 cfs the stage-discharge relationship is affected by tidal influence. Maximum discharge listed at site and datum then in use. Drainage area is 23,530 square miles.

½ - Irrigation season only.



TABLE 8-12 (CONT)  
DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER NEAR FREEPORT

in feet

STATION NO	WATER YEAR
891850	1968

DATE	OCT	NOV	DEC	JAN	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	4.78 3.12	4.51 2.64	4.88 3.22	4.83 2.97	8.57 8.19	16.32 16.11	5.36 4.27	3.83 1.51	3.59 1.33	3.53 1.76	4.16 2.06	3.23 2.25	1
2	4.54 2.94	4.93 3.11	4.89 2.92	4.52 2.87	8.20 7.68	16.09 15.89	5.22 4.03	3.72 1.50	3.21 1.16	3.43 1.86	2.75 2.26	4.73 2.17	2
3	4.43 2.95	5.21 3.33	5.35 3.06	4.11 2.76	7.51 7.07	15.78A 15.21A	4.96 3.85	4.02 1.91	2.85 1.08	3.53 1.56	4.39 2.23	4.58 2.09	3
4	4.77 3.08	5.36 3.52	5.43 3.33	3.58 2.50	7.84 7.16	15.20A 14.54A	4.84 3.69	3.82 1.87	2.92 1.52	3.63 1.69	4.62 2.25	4.76 2.34	4
5	4.77 3.42	5.03 3.41	5.12 3.78	3.50 2.32	8.06 7.65	14.53A 13.33A	4.68A 3.42A	3.52 2.01	3.58 1.53	3.85 1.98	4.80 2.38	4.49 2.21	5
6	4.79 3.37	4.53 3.03	4.97 3.71	3.36 2.21	7.63A 6.76A	13.31A 11.68A	4.10 2.98	3.30 1.81	3.40 1.40	4.50 2.41	4.74 2.26	4.31 2.30	6
7	4.78 3.29	4.49 2.62	5.25 4.16	3.31 1.83	7.15 6.21	11.66A 10.19A	3.92 2.86	3.29 2.05	3.55 1.74	5.01 2.57	4.62 2.31	4.15 2.33	7
8	4.79 3.16	4.23 2.75	4.72 3.98	3.41 1.98	6.83 6.30	10.19A 9.17A	4.01 2.81	3.60 2.40	4.05 1.97	5.18 2.64	4.66 2.45	4.00 2.48	8
9	4.78 3.12	3.73 2.52	4.64 3.66	3.78 2.02	6.57 5.79	9.18 8.93	3.90 3.11	4.02 2.47	4.50 2.21	5.08 2.36	4.48 2.35	4.05 2.55	9
10	4.38 3.09	3.63 2.19	4.66 3.67	5.11A 2.44A	6.40 5.45	8.41 8.17	3.84 2.61	4.05 2.40	4.71 2.34	4.87 2.26	4.25 2.37	4.08 2.47	10
11	3.83 2.83	3.42 2.06	4.68 3.58	4.42 3.03	6.40 5.27	7.90 7.57	3.90 2.59	4.24 2.42	4.88 2.42	4.61 2.18	3.96 2.32	4.17 2.60	11
12	4.24 2.83	3.64 2.17	4.12 3.28	5.98A 3.63A	6.22 5.25	7.84 7.06	4.22 2.76	4.37 2.32	4.63 2.10	4.42 2.16	3.93 2.41	4.24 2.57	12
13	4.09 2.73	3.71 2.23	3.59 2.91	5.86 5.06	6.06 4.94	7.64 6.89	4.35 2.74	4.84 2.61	4.27 1.70	4.27 2.16	3.73 2.08	4.62 2.65	13
14	3.86 2.46	4.07 2.39	3.63 2.52	5.39 4.29	6.03 4.77	7.98 6.98	4.34 2.59	4.64 2.42	3.95 1.58	3.94 2.06	3.91 2.05	4.39 2.70	14
15	3.77 2.65	4.15 2.57	4.99 2.64	5.79 4.01	5.74 5.00	8.28 7.56	4.49 2.66	4.69 2.79	3.57 1.35	3.61 1.93	3.97 2.15	4.14 2.48	15
16	3.85 2.73	4.27 2.55	4.96 3.38	7.45A 4.66A	5.51 4.62	8.52 7.93	4.72 2.36	4.67 2.60	3.20 1.40	3.62 1.83	4.43 2.19	3.04 2.14	16
17	3.99 2.79	4.55 2.64	5.08 3.25	7.89 6.99	5.55 4.53	8.85 8.06	3.78 1.57	4.40 2.50	3.20 1.44	2.45 1.64	2.83 2.20	3.91 2.20	17
18	4.19 2.83	4.64 2.88	5.50 3.63	7.98 7.30	6.78A 4.64A	9.07 8.54	3.64 1.53	3.83 2.18	3.37 1.66	3.58 1.80	4.24 2.21	4.30 2.60	18
19	4.26 2.94	4.78 2.98	5.14 3.60	7.58 7.18	8.57A 6.79A	9.12A 8.43A	3.55 1.44	3.70 2.13	3.56 1.83	3.82 2.20	4.28 2.20	4.50 2.64	19
20	4.33 2.86	4.46 2.94	4.73 3.38	6.85 4.24	10.58A 8.59A	8.35 7.32	3.07 1.26	3.53 1.99	3.75 1.75	4.20 2.00	4.41 2.13	4.31 2.35	20
21	4.56 3.01	4.33 2.63	4.07 3.09	5.64 5.40	13.13A 10.63A	7.39 6.26	2.75 0.95	3.67 2.24	3.63 1.49	4.31 2.04	4.29 2.11	3.73 2.01	21
22	4.39 2.91	4.27 2.62	3.57 2.71	5.80 4.83	15.19A 13.16A	6.64 5.58	2.52 1.02	3.74 2.17	3.79 1.60	4.41 2.08	4.11 2.15	3.57 2.07	22
23	4.17 2.76	3.93 2.53	3.46 2.40	5.51 4.28	15.68A 15.21A	6.26 5.13	2.58 1.33	3.82 2.36	4.22 1.89	4.50 2.16	4.19 2.46	3.57 2.09	23
24	4.11 2.56	3.57 2.33	3.68 2.43	5.38 3.98	16.16A 15.66A	5.77 5.25	2.84 1.29	4.02 2.35	4.42 1.96	4.50 2.09	4.21 2.49	3.80 2.14	24
25	4.01 2.57	3.54 2.20	3.92 2.45	5.59 4.13	16.38A 16.16A	5.82 4.83	2.94 1.35	3.93 2.20	4.50 2.05	4.42 2.06	4.09 2.36	4.09 2.17	25
26	3.98 2.60	3.71 2.32	4.34 2.64	5.91 3.95	16.37 16.23	5.31 4.70	2.98 1.29	3.98 2.04	4.82 2.26	4.39 2.16	3.65 2.10	4.29 2.24	26
27	3.67 2.59	3.99 2.39	4.49 2.88	5.76 4.02	16.47 16.22	5.17 4.45	3.22 1.50	4.15 2.10	4.46 1.85	4.40 2.32	3.74 2.09	4.41 2.29	27
28	4.07 2.86	4.21 2.61	4.87 2.93	5.54 3.82	16.50 16.34	5.03 4.25	3.75 1.85	4.38 2.20	4.35 1.89	4.28 2.42	3.62 2.00	4.76 2.28	28
29	3.96 2.68	4.92 2.70	4.99 3.10	5.97 3.72	16.68 16.37	4.93 4.05	3.81 1.66	4.30 1.99	3.71 1.42	3.92 2.17	3.94 2.03	4.86 2.58	29
30	3.84 2.62	5.24 3.12	5.13 3.21	5.87 4.26	8.42A 5.32A	5.20 4.06	3.99 1.72	4.11 1.67	3.57 1.56	3.93 2.23	4.63 2.00	3.39 2.41	30
31	3.99 2.65		4.91 3.19					3.97 1.49		4.00 2.16	4.73 2.45		31
MAXIMUM	4.79	5.36	5.50	8.42	16.50	16.32	5.36	4.84	4.88	5.18	4.80	4.86	MAXIMUM
MINIMUM	2.46	2.06	2.40	1.83	4.53	3.90	0.95	1.49	1.08	1.56	2.00	2.01	MINIMUM

E - Estimated  
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A High flows effected the normal tidal pattern. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 28 23	121 31 58	SW 10 7N 4E		23.9	12-23-1955		AUG 1955-DATE	1955	1956	4.93	USCGS
								1956		0.00	USCGS
									1964	0.43	USCGS
										0.00	USCGS

Station located 10.7 miles below Sacramento, 1.9 miles northwest of Freeport. Station located in tidal zone. Maximum gage height listed does not necessarily indicate maximum discharge. Maximum gage height listed at present datum.

TABLE 8-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT SNODGRASS SLOUGH

in feet

STATION NO	WATER YEAR
B91750	1966

DATE	OCT	NOV	DEC	JAN	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	7.26 4.79	7.02 4.60	7.48 4.96	7.42 4.51	9.15 8.05	14.57 14.16	7.43 5.51	NR NR	6.37 3.44	6.17 3.73	6.80 4.12	5.83 4.32	
2	7.08 4.67	7.44 4.69	7.48 4.51	7.09 4.47	8.82 7.93	14.41 13.97	NR NR	NR NR	5.96 3.36	6.18 3.85	7.05 4.27	7.36 4.19	2
3	6.97 4.70	7.74 4.86	7.96 4.59	6.62 4.35	8.47 7.40	14.05 13.54	NR NR	6.70 3.92	5.58 3.25	6.30 3.60	5.40 4.19	7.19 4.14	3
4	7.15 4.76	7.91 5.08	7.94 4.91	6.02 4.57	8.59 7.35	13.53 13.00	NR NR	6.45 3.79	5.63 3.64	5.10 3.75	7.27 4.16	7.35 4.39	4
5	7.14 4.98	7.60 5.01	7.35 5.26	5.97 3.92	8.79 7.76	12.99 A 12.06 A	NR NR	6.05 3.84	6.25 3.68	6.52 3.97	7.43 4.25	7.08 4.22	5
6	7.20 4.85	7.09 4.65	6.93 4.92	5.90 3.89	8.64 7.30	12.05 A 10.83 A	NR NR	5.77 3.52	6.12 3.58	7.18 4.39	7.40 4.17	6.91 4.30	6
7	7.22 4.73	7.08 4.31	7.09 5.20	5.86 3.61	8.44 6.93	10.82 A 9.60 A	NR NR	5.75 3.80	6.24 3.76	7.69 4.49	7.29 4.21	6.73 4.29	7
8	7.21 4.65	6.46 4.43	6.57 5.04	5.98 3.82	8.31 6.64	10.10 8.81	NR NR	6.13 4.27	6.72 3.91	7.85 4.53	7.34 4.42	6.47 4.40	8
9	7.19 4.62	6.21 4.19	6.47 4.70	6.41 4.04	8.20 6.38	9.40 8.09	NR NR	6.59 4.41	7.17 4.08	7.78 4.29	7.13 4.27	6.53 4.45	9
10	6.73 4.61	6.08 3.97	6.55 4.74	7.81 4.77	8.17 6.24	8.91 7.55	NR NR	6.63 4.27	7.33 4.13	7.54 4.20	6.90 4.33	6.55 4.50	10
11	6.57 4.34	6.01 3.86	6.76 4.85	6.84 4.70	8.20 6.24	8.75 7.26	NR NR	6.86 4.39	7.51 4.22	7.30 4.13	6.58 4.30	6.63 4.43	11
12	6.07 4.34	6.27 4.06	6.25 4.43	7.56 5.89	8.05 6.22	9.09 7.26	NR NR	6.99 4.10	7.30 3.97	7.10 4.09	6.51 4.40	6.70 4.36	12
13	6.44 4.32	6.33 4.15	5.70 4.45	7.71 5.72	8.00 5.88	8.85 7.38	NR NR	7.44 4.35	6.94 3.62	6.92 4.11	6.34 4.09	7.04 4.41	13
14	6.25 4.13	6.70 4.38	5.80 3.78	7.59 5.32	7.82 5.80	8.92 7.31	NR NR	7.24 4.08	6.65 3.56	6.57 4.00	6.53 4.11	6.80 4.40	14
15	6.16 4.29	6.75 4.67	7.44 3.95	8.12 5.19	7.59 5.90	8.96 7.64	NR NR	7.19 4.25	6.30 3.39	6.20 3.85	6.61 4.18	6.53 4.17	15
16	6.23 4.35	6.87 4.34	7.41 4.77	8.74 5.67	7.47 5.67	9.26 7.88	NR NR	7.16 4.21	5.91 3.46	6.26 3.81	7.07 4.16	5.34 3.83	16
17	6.40 4.51	7.12 4.38	7.51 4.67	8.91 7.19	7.49 6.10	9.45 8.12	NR NR	6.87 4.13	5.69 3.52	6.24 3.71	6.88 4.18	6.32 3.90	17
18	6.62 4.49	7.20 4.61	7.96 5.04	8.78 7.38	7.46 5.72	9.60 8.33	NR NR	6.34 3.90	6.09 3.78	4.78 3.86	5.71 4.17	6.79 4.36	18
19	6.71 4.58	7.35 4.65	7.59 5.04	8.38 7.44	8.86 6.93	9.60 8.22	NR NR	6.22 3.85	6.28 4.06	6.49 3.89	6.90 4.10	7.01 4.45	19
20	6.80 4.51	7.01 4.58	7.07 4.81	7.95 6.93	9.93 8.56	9.10 7.46	NR NR	6.01 3.78	6.45 3.93	6.87 3.98	7.07 4.09	6.84 4.22	20
21	7.05 4.63	6.97 4.32	6.22 4.47	7.65 6.34	11.71 A 9.99 A	8.46 6.67	NR NR	6.19 4.06	6.35 3.63	6.98 4.07	6.94 4.04	6.26 3.87	21
22	6.84 4.55	6.81 4.34	5.68 4.02	7.54 5.94	13.30 A 11.74 A	7.94 6.22	NR NR	6.29 4.13	6.49 3.66	7.09 4.08	6.73 4.00	6.06 3.93	22
23	6.63 4.43	6.43 4.24	5.71 3.77	7.47 5.51	14.01 13.55	7.80 5.98	NR NR	6.38 4.16	6.92 3.92	7.16 4.15	6.75 4.17	6.10 3.96	23
24	6.50 4.20	6.04 4.04	5.99 3.85	7.57 5.32	14.39 13.91	7.39 5.77	NR NR	6.57 4.08	7.12 3.98	7.17 4.05	6.74 4.27	6.34 3.99	24
25	6.36 4.19	6.08 3.94	6.33 3.96	7.97 5.39	14.65 14.17	7.57 5.83	NR NR	6.47 3.95	7.21 4.13	7.09 4.05	6.64 4.20	6.66 4.00	25
26	6.31 4.17	6.24 4.05	6.82 4.25	8.41 5.52	14.63 14.17	7.04 5.52	NR NR	6.55 3.79	7.53 4.30	7.06 4.13	6.22 4.05	6.88 4.13	26
27	6.41 4.15	6.59 4.16	6.99 4.43	8.28 5.94	14.76 14.16	6.90 5.67	NR NR	6.73 3.88	7.19 3.91	7.08 4.24	6.37 4.09	6.99 4.18	27
28	6.46 4.44	6.82 4.45	7.46 4.88	8.04 5.35	14.71 14.30	6.82 5.42	NR NR	7.00 4.03	7.03 3.91	6.93 4.35	6.37 3.97	7.36 4.17	28
29	6.28 4.27	7.46 4.61	7.55 4.62	8.47 5.22	14.64 14.28	6.84 5.30	NR NR	6.95 3.89	6.48 3.42	6.51 4.07	6.53 4.07	7.43 6.52	29
30	6.26 4.24	7.88 4.88	7.70 4.68	8.11 5.84		7.04 5.12	NR NR	6.80 3.65	6.24 3.50	6.55 4.21	7.22 3.96	6.88 4.29	30
31	6.52 4.34		7.48 4.69	9.19 6.14		7.25 5.39		6.68 3.55		6.63 4.20	7.36 4.46		31
MAXIMUM	7.26	7.88	7.96	9.19	14.76	14.57	NR	NR	7.53	7.85	7.43	7.43	MAXIMUM
MINIMUM	4.13	3.86	3.77	3.61	5.67	5.12	NR	NR	3.25	3.60	3.96	3.83	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A Tidal action affected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 21 02	121 31 56	SW 22 6N 4E		20.57	12-25-1964		AUG 1939-DATE	1939		0.00	USED
								1939		-3.02	USCGS
									1964	-3.40	USCGS
										-3.00	USCGS

Station located 0.7 mile above head of Slough (leaved off from river), west of State Highway 160, 2.3 miles northeast of Courtland. Station located in tidal zone. Maximum gage height listed does not necessarily indicate maximum discharge. At times, tidal fluctuation is influenced by operation of the Delta Cross Channel gates.



TABLE B-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT WALNUT GROVE

in feet

STATION NO	WATER YEAR
B91650	1968

DATE	OCT	NOV	DEC	JAN.	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.96 0.83	3.73 0.74	4.25 1.01	4.18 0.46	4.64 2.83	7.72 6.80	3.95 1.21	3.48 -0.03	3.30 -0.13	3.08 0.10	3.69 0.58	4.28 0.71	1
2	3.77 0.77	4.15 0.70	4.25 0.47	3.87 0.46	4.32 2.75	7.67 6.72	3.72 0.84	3.39 -0.10	2.94 -0.12	3.08 0.23	3.97 0.59	2.85 0.56	2
3	3.70 0.81	4.45 0.83	4.72 0.52	3.36 0.35	4.20 2.47	7.35 6.40	3.24 0.49	3.63 0.29	2.56 -0.25	3.24 0.05	4.17 0.48	4.15 0.55	3
4	3.79 0.87	4.61 1.04	4.66 0.86	2.76 0.11	4.20 2.39	6.93 6.04	3.00 0.39	3.35 0.09	2.59 0.14	1.98 0.23	2.51 0.43	4.28 0.79	4
5	3.79 0.93	4.33 0.99	3.96 1.17	2.71 -0.02	4.35 2.74	6.66 5.51	3.03 0.40	2.91 0.11	3.15 0.19	3.45 0.34	4.33 0.47	4.02 0.62	5
6	3.86 0.74	3.83 0.63	3.42 0.63	2.66 -0.01	4.38 2.49	6.09 4.68	2.38 -0.03	2.62 -0.28	3.07 0.13	4.11 0.72	4.31 0.41	3.83 0.70	6
7	3.90 0.62	3.83 0.32	3.52 0.81	2.65 -0.19	4.41 2.22	5.47 3.84	2.42 -0.06	2.57 -0.01	3.21 0.16	4.59 0.79	4.21 0.49	3.65 0.65	7
8	3.91 0.57	3.19 0.48	2.97 0.60	2.78 0.06	4.43 2.03	5.34 3.39	2.76 0.04	2.97 -0.55	3.66 0.23	4.74 0.81	4.25 0.71	3.42 0.78	8
9	3.88 0.53	2.95 0.24	2.92 0.30	3.23 0.34	4.43 1.83	4.78 2.82	2.86 0.06	3.44 0.73	4.05 0.33	4.71 0.60	4.04 0.56	3.39 0.81	9
10	3.45 0.54	2.87 0.11	3.03 0.42	4.61 0.88	4.50 1.74	4.44 2.43	2.96 0.26	3.48 0.53	4.22 0.32	4.48 0.51	3.81 0.64	3.40 0.70	10
11	3.26 0.27	2.78 0.01	3.33 0.68	3.61 0.46	4.56 1.72	4.45 2.28	3.05 0.54	3.73 0.68	4.40 0.42	4.23 0.45	3.46 0.61	3.46 0.72	11
12	2.75 0.29	3.07 0.29	2.94 0.26	3.89 1.00	4.39 2.61	5.06 2.56	3.47 0.74	3.88 0.30	4.22 0.21	4.01 0.39	3.39 0.72	3.55 0.62	12
13	3.13 0.32	3.13 0.44	2.36 -0.41	4.10 2.12	4.45 1.27	4.81 2.46	3.63 0.48	4.33 0.53	3.89 -0.10	3.82 0.42	3.22 0.48	3.83 0.67	13
14	2.95 0.20	3.47 0.52	2.51 -0.21	4.18 0.86	4.20 1.26	4.68 2.72	3.66 0.32	4.12 0.18	3.60 -0.11	3.46 0.32	3.42 0.58	3.64 0.61	14
15	2.89 0.33	3.52 0.97	4.16 1.45	4.84 0.87	3.94 1.24	4.54 2.62	3.86 0.51	4.02 0.19	3.28 -0.22	3.07 0.19	3.49 0.54	3.34 0.36	15
16	2.91 0.41	3.65 0.47	4.11 0.62	4.91 1.44	3.87 1.15	4.87 2.80	4.20 0.28	4.00 0.25	2.86 -0.12	3.16 0.21	3.97 0.49	3.19 0.04	16
17	3.10 0.61	3.89 0.46	4.19 0.52	4.79 2.31	3.91 1.27	5.15 2.99	3.43 -0.33	3.69 0.21	2.64 0.00	3.15 0.20	3.77 0.49	2.56 0.08	17
18	3.33 0.56	3.95 0.67	4.64 0.89	4.50 2.41	3.81 1.35	5.08 3.04	3.30 -0.29	3.18 0.06	3.02 0.27	2.43 0.26	2.59 0.48	3.66 0.60	18
19	3.41 0.64	4.12 0.64	4.30 0.91	4.13 2.37	4.15 1.75	5.04 2.88	3.19 -0.30	3.05 0.03	3.24 0.68	2.09 0.27	3.81 0.39	3.86 0.71	19
20	3.51 0.55	3.77 0.58	3.74 0.68	3.82 2.08	5.42 3.40	4.73 2.39	2.80 -0.34	2.84 0.01	3.41 0.42	3.80 0.40	3.97 0.40	3.72 0.51	20
21	3.77 0.68	3.80 0.37	2.84 0.21	3.80 1.71	6.47 4.45	4.28 1.82	2.41 -0.58	3.03 0.34	3.31 0.11	3.91 0.42	3.87 0.32	3.15 0.17	21
22	3.56 0.60	3.58 0.40	2.27 -0.19	3.88 1.56	6.92 5.58	3.95 1.55	2.14 -0.56	3.13 0.47	3.45 0.06	4.02 0.42	3.63 0.23	2.97 0.22	22
23	3.38 0.47	3.18 0.31	2.36 -0.35	3.97 1.24	7.41 6.31	3.97 1.40	2.17 -0.18	3.26 0.43	3.86 0.29	4.09 0.47	3.60 0.32	2.99 0.31	23
24	3.23 0.24	2.78 0.12	2.66 -0.22	4.20 1.14	7.67 6.60	3.62 1.26	2.46 -0.16	3.41 0.27	4.07 0.33	4.09 0.37	3.58 0.44	3.24 0.31	24
25	3.06 0.21	2.85 0.04	3.03 -0.02	4.70 1.27	7.81 6.69	3.92 1.41	2.56 -0.17	3.33 0.14	4.17 0.54	4.00 0.36	3.49 0.42	3.57 0.32	25
26	2.97 0.17	3.00 0.18	3.54 0.36	5.17 1.44	7.85 6.74	3.42 1.14	2.76 -0.23	3.41 -0.01	4.45 0.65	4.00 0.43	3.08 0.35	3.80 0.44	26
27	3.08 0.13	3.34 0.32	3.71 0.37	5.05 1.32	8.07 6.94	3.25 1.11	2.94 -0.12	3.61 0.08	4.13 0.31	3.99 0.55	3.26 0.45	3.92 0.49	27
28	3.16 0.41	3.60 0.59	4.17 0.57	4.77 1.95	7.90 6.92	3.19 1.07	3.34 0.13	3.90 0.27	3.97 0.27	3.83 0.65	3.28 0.38	4.30 0.50	28
29	2.97 0.26	4.17 0.85	4.30 1.40	5.17 1.17	7.75 6.85	3.30 1.10	3.43 0.04	3.87 0.19	3.46 -0.19	3.37 0.37	3.47 0.43	4.34 0.87	29
30	2.97 0.30	4.65 1.41	4.45 0.60	4.78 1.84	4.78 1.84	3.58 0.81	3.67 0.23	3.74 -0.02	3.17 -0.16	3.41 0.59	4.11 0.35	3.80 0.60	30
31	3.26 0.44		4.24 0.63	4.88 1.74		3.75 1.11		3.64 -0.04		3.52 0.61	4.27 0.88		31
MAXIMUM	3.96	4.65	4.72	5.17	8.07	7.72	4.20	4.33	4.45	4.74	4.33	4.34	MAXIMUM
MINIMUM	0.13	0.01	-0.41	-0.19	1.15	0.81	-0.58	-0.55	-0.25	0.05	0.23	0.04	MINIMUM

E - Estimated  
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M D B & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 14 22	121 30 57	SW 35 SN 4E		12.24	12-25-1964		FEB 1929-DATE	1929	1931	0.00	USED
								1931	1940	0.33	USED
								1940		0.00	USCGS
								1940	1964	2.84	USED
								1964		-0.69	USCGS
										0.00	USCGS

Station located at head of Georgiana Slough, immediately southwest of Walnut Grove. Station located in tidal zone. At times, tidal fluctuation is influenced by operation of the Delta Cross Channel gates.

TABLE B-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

YOLO BYPASS NEAR LISBON

in feet

STATION NO	WATER YEAR
B91560	1968

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.94 2.48	6.64 2.36	NR NR	7.17 2.03	10.67 A 10.26 A	14.28 A 14.04 A	7.44 4.62	6.55 1.81	6.28 1.83	6.04 1.90	6.59 2.64	6.05 2.64	
2	6.79 2.43	6.94 2.21	NR NR	6.81 2.04	10.69 A 10.46	14.04 A 13.63 A	7.22 4.44	6.37 1.78	5.95 1.73	6.13 2.28	6.80 2.60	7.54 2.69	2
3	6.48 2.37	7.27 2.24	NR NR	6.40 1.94	11.05 A 10.60 A	13.62 A 13.05 A	5.71 3.68	6.63 2.46	5.63 1.76	6.20 1.98	5.28 2.41	7.40 2.53	3
4	6.71 2.43	7.45 2.59	NR NR	5.83 1.75	11.54 A 11.05 A	13.04 A 12.57 A	6.39 3.39	6.40 2.22	5.71 2.52	4.95 2.14	7.05 2.29	7.57 2.72	4
5	6.64 2.45	7.25 2.53	NR NR	5.82 1.67	11.82 A 11.54 A	12.56 A 11.89 A	6.30 3.32	5.89 2.05	6.43 2.27	6.36 2.11	7.17 2.16	7.30 2.50	5
6	6.70 2.21	6.71 2.22	6.35 2.04	5.77 1.77	11.98 A 11.82 A	11.88 A 11.22 A	5.60 2.65	5.59 1.40	6.25 2.35	6.92 2.61	7.14 1.99	7.12 2.60	6
7	6.76 2.09	6.75 1.90	6.48 2.42	5.74 1.69	11.98 A 11.91 A	11.22 A 10.28 A	5.65 2.37	5.48 1.76	6.37 2.03	7.48 2.56	7.02 2.17	6.89 2.53	7
8	6.70 2.08	6.20 2.18	5.85 1.92	5.87 2.04	11.91 A 11.67 A	10.27 A 7.88 A	6.05 2.14	5.94 2.50	6.74 2.10	7.63 2.44	7.10 2.68	6.67 2.71	8
9	6.80 1.98	5.98 2.01	5.79 1.69	6.33 2.41	11.66 A 11.28 A	8.00 5.66	6.04 1.99	6.48 2.83	7.16 2.09	7.57 2.24	6.99 2.20	6.65 2.80	9
10	6.35 2.15	5.85 1.86	5.86 1.86	7.66 2.75	11.27 A 10.53 A	6.99 5.03	6.30 2.12	6.62 2.34	7.27 2.15	7.40 2.12	6.78 2.47	6.62 2.63	10
11	6.14 1.82	5.82 1.76	6.16 2.20	6.55 2.06	10.51 A 8.08 A	7.31 4.67	6.33 2.46	6.84 2.39	7.49 2.21	7.10 2.17	6.66 2.46	6.63 2.71	11
12	5.66 1.69	6.15 2.08	5.34 1.53	7.04 3.74	8.03 A 6.33 A	8.14 4.89	6.75 2.66	6.91 2.09	7.23 1.91	6.97 2.21	6.46 2.83	6.59 2.64	12
13	6.03 1.78	6.21 2.28	6.58 0.30	7.19 2.75	7.95 6.02	7.96 5.14	6.75 2.14	7.38 2.28	6.93 1.58	6.84 2.25	6.32 2.47	6.91 2.74	13
14	5.82 1.39	6.48 2.32	4.97 1.68	7.36 2.48	7.66 5.05	8.70 6.13	6.80 2.03	7.10 1.76	6.66 1.66	6.48 2.12	6.38 2.68	6.63 2.55	14
15	5.76 1.77	6.49 2.87	6.97 0.85	7.77 2.77	7.39 6.72	9.16 8.00	7.00 2.44	6.93 1.74	6.30 1.42	6.13 2.04	6.38 2.54	6.26 2.19	15
16	5.80 1.88	6.55 2.19	6.98 2.15	8.28 3.65	7.39 3.78	9.69 8.79	7.26 2.00	6.94 1.95	5.90 1.74	6.12 2.17	6.84 2.55	5.02 1.61	16
17	6.01 2.18	6.72 2.14	7.16 2.01	8.02 5.94	7.48 4.02	9.96 9.40	6.36 1.31	6.76 2.05	5.63 1.96	6.08 2.18	6.62 2.34	6.08 1.84	17
18	6.22 2.15	6.86 2.33	7.66 2.78	7.63 5.79	7.64 4.54	10.50 A 9.91 A	6.36 1.60	6.27 1.88	6.09 2.24	4.69 2.21	5.61 2.40	6.67 2.59	18
19	6.28 2.26	7.00 2.49	7.25 2.49	7.18 5.42	8.60 7.08	10.81 A 10.51 A	6.36 1.72	6.18 1.90	6.24 2.86	6.33 2.17	6.69 2.29	7.00 2.57	19
20	6.40 2.11	6.69 2.23	6.74 2.26	6.83 4.70	9.38 8.42	10.83 A 10.79 A	5.83 1.64	6.04 1.93	6.46 2.46	6.64 2.28	6.90 2.28	6.76 2.16	20
21	6.71 2.52	6.43 2.06	5.85 1.80	6.96 4.01	10.16 A 9.28 A	10.83 A 10.76 A	5.62 1.22	6.19 2.41	6.35 1.87	6.73 2.18	6.79 2.16	6.19 1.69	21
22	6.48 2.23	6.51 2.02	5.29 1.20	7.05 3.13	10.88 A 10.17 A	10.84 A 10.77 A	5.38 1.43	6.31 2.40	6.38 1.71	6.82 2.10	6.58 1.98	5.97 1.79	22
23	6.27 2.17	6.19 2.08	5.37 1.13	7.03 2.96	11.85 A 10.91 A	10.84 A 10.78 A	5.47 1.85	6.42 2.37	6.76 2.01	6.97 2.28	6.61 2.03	6.09 2.06	23
24	6.18 1.91	5.79 1.89	5.66 1.33	7.19 2.42	12.92 A 11.85 A	10.78 A 10.58 A	5.70 1.66	6.60 2.35	6.94 1.96	6.98 2.11	6.60 2.20	6.32 2.10	24
25	6.04 1.95	5.87 1.83	5.96 1.56	7.55 2.59	13.80 A 12.93 A	10.58 A 10.09 A	5.82 1.49	6.88 2.42	7.09 2.36	6.94 1.99	6.62 2.24	6.65 2.14	25
26	5.96 1.87	6.02 1.96	6.44 2.05	7.98 2.86	14.15 A 13.80 A	10.13 A 9.16 A	5.70 1.17	6.64 1.81	7.43 2.50	6.88 2.13	6.23 2.18	7.09 2.32	26
27	5.62 1.78	6.42 2.10	6.61 1.92	7.88 4.00	14.43 A 14.14 A	9.24 8.63	5.84 1.37	6.70 1.75	7.12 2.18	6.83 2.22	6.47 2.44	7.03 2.66	27
28	6.11 2.06	6.55 2.31	6.94 1.93	7.71 2.75	14.47 A 14.33 A	8.59 7.84	6.39 1.87	6.81 2.01	6.98 2.15	6.68 2.48	6.44 2.26	7.27 2.42	28
29	5.79 1.54	7.25 2.71	7.08 3.28	8.19 2.84	14.45 A 14.27 A	8.05 6.62	6.49 1.87	6.82 1.86	6.10 1.21	6.34 2.04	6.70 2.43	7.41 2.81	29
30	5.93 1.78	NR NR	7.35 2.08	8.95 3.71		7.41 5.28	6.77 2.25	6.66 1.71	6.08 1.51	6.38 2.46	7.31 2.39	5.96 2.43	30
31	6.21 1.99		7.18 2.11	8.88 A 10.44 A		7.41 4.96	6.57 1.78			6.46 2.52	7.48 3.07		31
MAXIMUM	6.94	NR	NR	10.44	14.47	14.28	7.44	7.38	7.49	7.63	7.48	7.57	MAXIMUM
MINIMUM	1.39	NR	NR	1.67	3.78	4.67	1.17	1.40	1.21	1.90	1.98	1.61	MINIMUM

E - Estimated  
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

A Tidal action effected by flow. Gage heights listed are maximum and minimum stage for day.

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.A.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
38 28 30	121 35 14	SE 1 7N 3E						FEB 1959-DATE	1959	1962	0.43	USED
									1962		0.00	USED
									1962		-3.04	USCGS
										1964	-3.39	USCGS
										1964	-3.00	USCGS

Station located in West Cut, 6.9 miles south of D. S. Highway 40, 5.2 miles northwest of Clarksburg. Station located in tidal zone. Maximum gage height listed does not necessarily indicate maximum discharge.



TABLE B-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

YOLO BY-PASS AT LIBERTY ISLAND

in feet

STATION NO.	WATER YEAR
B91500	1968

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	DATE
1	7.09 1.84	6.97 1.58	7.51 1.21	7.46 1.36	6.57 2.08	7.81 4.34	7.02 2.44	6.71 1.57	6.44 1.33	6.25 1.62	7.00 2.44	7.59 2.26	
2	7.05 1.79	7.40 1.63	7.53 3.12	7.05 1.41	6.33 1.96	7.79 4.46	6.74 1.93	6.55 1.54	6.03 1.43	6.36 1.87	7.22 2.28	5.97 2.01	2
3	6.86 1.84	7.69 2.99	7.96 1.36	6.48 1.41	6.48 2.22	7.41 3.87	6.15 1.55	6.72 2.08	5.88 1.38	6.55 1.77	7.43 1.99	7.45 1.98	3
4	6.94 1.82	7.82 1.90	7.95 1.73	5.79 1.20	6.37 2.26	6.89 3.43	5.88 1.58	6.35 1.88	6.57 2.01	6.78 2.03	7.58 1.80	7.62 2.17	4
5	6.96 2.14	7.49 1.83	7.00 2.23	5.82 1.25	6.28 2.55	6.87 3.30	5.87 1.78	5.85 1.87	6.42 1.97	7.43 1.89	5.69 1.69	7.37 1.90	5
6	7.04 1.57	6.93 1.50	6.41 1.38	5.78 1.44	6.47 2.55	6.57 3.11	5.15 1.25	5.61 1.29	5.10 1.97	5.79 2.30	7.60 1.58	7.22 2.04	6
7	7.05 1.43	6.93 1.30	6.53 1.71	5.78 1.52	6.70 2.46	6.32 2.73	5.23 1.18	5.70 1.63	6.62 1.63	7.90 2.14	7.57 1.71	6.94 2.03	7
8	7.01 1.42	6.18 1.60	5.92 1.48	5.90 1.75	6.93 2.38	6.69 2.64	5.69 1.08	6.16 2.14	7.01 1.55	8.10 2.01	7.59 1.99	6.68 2.27	8
9	6.92 1.42	5.99 1.50	5.90 1.35	6.35 1.97	7.04 2.09	6.29 1.92	5.91 1.08	6.71 2.40	7.47 1.46	8.09 1.74	7.34 1.73	6.64 2.35	9
10	6.46 1.60	6.01 1.42	6.03 1.62	7.69 2.26	7.24 1.97	6.11 1.46	6.10 1.40	6.82 1.89	7.59 1.38	7.91 1.62	7.12 2.03	6.65 2.34	10
11	6.24 1.27	5.96 1.38	6.35 1.82	6.61 1.59	7.37 1.86	6.63 1.44	6.23 1.83	7.11 1.97	7.76 1.47	7.65 1.66	6.69 2.05	6.62 2.16	11
12	6.14 1.25	6.27 1.79	5.69 1.26	6.87 1.63	7.53 1.90	7.66 2.10	6.73 2.04	7.32 1.45	7.51 1.16	7.35 1.62	6.66 2.31	6.64 2.14	12
13	5.93 1.39	6.38 1.86	5.11 0.18	7.07 1.58	7.53 1.92	7.36 2.11	6.86 1.47	7.70 1.50	7.18 0.93	7.11 1.74	6.52 2.17	6.85 2.33	13
14	5.93 0.95	6.66 1.83	5.33 0.61	7.22 1.80	7.30 1.78	7.10 2.01	7.00 1.33	7.40 1.03	6.88 1.69	6.68 1.69	6.59 2.44	6.62 2.16	14
15	5.94 1.44	6.70 1.70	7.32 1.65	7.71 3.97	7.04 2.84	6.72 2.06	7.22 1.69	7.24 0.99	6.51 1.04	6.36 1.67	6.65 2.27	6.31 1.85	15
16	6.02 1.61	6.83 1.65	7.19 3.71	7.64 1.95	7.02 1.85	7.11 2.64	7.45 1.30	7.12 1.22	6.09 1.38	6.42 1.91	7.03 2.29	6.15 1.15	16
17	6.21 1.73	7.04 1.87	7.35 1.47	7.15 1.94	7.05 2.20	7.42 2.31	6.51 0.61	6.81 1.36	6.31 1.62	6.41 2.09	6.83 2.09	5.61 1.43	17
18	6.41 1.77	7.06 3.64	7.73 2.16	6.70 1.72	6.90 2.34	7.10 1.63	6.45 0.84	6.26 1.31	6.51 2.04	6.65 2.02	6.87 2.09	6.80 2.14	18
19	6.51 1.66	7.19 1.90	7.37 1.95	6.35 1.61	6.97 2.32	6.94 1.48	6.35 1.07	6.08 1.31	6.75 2.68	7.00 1.96	5.98 1.85	7.03 2.17	19
20	6.61 2.94	6.82 1.67	6.80 1.76	6.17 1.65	7.45 2.47	6.74 1.47	5.86 1.15	5.34 1.51	5.12 2.23	5.97 2.02	7.08 1.81	6.82 1.78	20
21	6.80 1.99	6.69 1.52	5.82 1.28	6.45 1.77	7.82 2.64	6.44 1.24	5.65 0.76	6.22 2.04	6.61 1.73	7.07 2.01	7.05 1.68	6.31 1.22	21
22	6.57 1.75	6.61 1.54	5.23 0.70	6.69 2.05	7.40 2.30	6.29 1.41	5.41 1.00	6.35 2.15	6.74 1.53	7.21 1.89	6.86 1.46	6.14 1.44	22
23	6.36 1.71	6.19 1.57	5.44 0.71	6.83 1.85	7.44 2.32	6.51 1.50	5.52 1.45	6.49 2.00	7.07 1.70	7.32 1.94	6.82 1.46	6.28 1.74	23
24	6.18 1.40	5.78 1.39	5.77 1.01	7.07 1.83	7.52 2.35	6.30 1.47	5.79 1.43	6.58 1.75	7.28 1.69	7.31 1.70	6.77 1.63	6.56 1.65	24
25	6.01 1.47	5.98 1.40	6.19 1.38	7.58 2.04	7.54 2.85	6.66 1.73	5.91 1.33	6.56 1.54	7.45 2.03	7.24 1.67	6.71 1.70	6.91 1.62	25
26	5.93 1.44	6.19 1.54	6.74 1.74	8.01 2.21	7.89 3.63	6.13 1.49	5.99 0.97	6.57 1.24	7.68 2.04	7.28 1.76	6.30 1.71	7.11 1.78	26
27	6.07 1.36	6.63 1.73	6.93 1.47	7.96 2.11	8.36 4.29	6.09 1.53	6.13 1.20	6.76 1.36	7.37 1.72	7.26 1.90	6.57 1.97	7.17 1.91	27
28	6.19 1.58	6.84 1.78	7.38 1.54	7.77 2.12	8.11 4.90	6.04 1.68	6.62 1.64	7.03 1.66	7.21 1.66	7.04 2.10	6.60 2.02	NR NR	28
29	5.71 1.15	7.64 2.06	7.48 1.51	8.19 4.15	7.78 4.30	6.20 1.69	6.68 1.58	7.01 1.43	6.47 0.91	6.55 1.76	6.77 1.93	NR NR	29
30	6.12 1.33	7.96 2.04	7.68 1.51	7.71 2.75	6.52 2.25	6.90 1.81	6.90 1.85	6.89 1.32	6.38 1.18	6.67 2.24	7.42 1.87	NR NR	30
31	6.46 1.52		7.46 3.30	7.21 2.25		6.85 2.28		6.78 1.38		6.81 2.34	7.53 2.59		31
MAXIMUM	7.09	7.96	7.96	8.19	8.36	7.81	7.45	7.70	7.76	8.10	7.60	NR	MAXIMUM
MINIMUM	0.95	1.30	0.18	1.20	1.78	1.24	0.61	0.99	0.91	1.62	1.46	NR	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 19 15	121 40 00	SW 32 6N 3E		18.4	2-8-1942		1918-DATE	1918		0.00	USED
								1918		-2.92	USCGS
									1964	-3.34	USCGS
										-3.00	USCGS

Station located on east levee of Liberty Island, approximately 3 miles north of Prospect Slough, 5.3 miles west of Courtland. Station located in tidal zone. Maximum gage height listed does not necessarily indicate maximum discharge.

TABLE 8-12 (CONT)  
DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT RID VISTA

in feet

STATION NO	WATER YEAR
B91210	1968

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.76 2.02	6.64 1.62	7.18 1.42	7.06 3.49	6.22 1.96	6.90 3.26	6.68 2.51	6.44 1.61	6.19 1.52	5.96 1.62	6.71 2.62	7.29 2.42	
2	6.62 2.04	7.06 1.85	7.19 1.52	6.75 1.51	6.01 1.63	6.95 3.50	6.41 2.03	6.30 1.58	5.61 1.64	6.11 2.04	6.97 2.41	7.21 2.21	2
3	6.56 2.11	7.36 2.13	7.62 4.10	6.18 1.50	6.12 2.17	6.72 3.07	5.88 1.62	6.44 2.03	5.65 1.49	6.32 2.05	7.21 2.20	5.83 2.14	3
4	6.61 2.06	7.48 3.78	7.49 1.88	5.52 1.29	6.01 2.21	6.34 2.90	5.64 1.41	6.11 1.80	6.28 2.02	6.55 2.35	7.34 2.00	7.34 2.36	4
5	6.64 1.81	7.18 2.00	6.70 2.36	5.54 1.36	3.98 2.53	6.49 3.00	5.64 1.76	5.59 1.60	6.16 2.16	7.19 2.15	5.42 1.92	7.07 2.12	5
6	6.71 2.57	6.67 1.76	6.12 1.55	5.50 1.54	6.20 2.51	6.28 2.58	5.08 1.30	5.10 1.29	6.36 2.19	7.61 2.52	7.36 1.84	6.93 2.28	6
7	6.73 1.65	6.63 1.51	6.22 1.73	5.54 1.63	6.45 2.38	6.10 2.72	5.11 1.25	5.47 1.58	4.67 1.90	5.54 2.35	7.32 1.95	6.67 2.29	7
8	6.71 1.62	5.90 1.80	5.67 1.64	5.64 1.82	6.63 2.27	6.47 2.66	5.45 1.27	5.91 2.27	6.68 1.80	7.78 2.24	7.28 2.18	6.41 2.49	8
9	6.60 1.64	5.73 1.66	5.64 1.56	6.12 2.01	6.76 2.10	6.07 1.97	5.61 1.30	6.40 2.50	7.16 1.68	7.61 1.98	7.05 2.01	6.28 2.53	9
10	6.26 1.75	5.74 1.63	5.75 1.83	7.39 2.35	6.95 2.02	5.92 1.58	5.76 1.64	6.48 2.16	7.27 1.58	7.59 1.90	6.83 2.24	6.31 2.58	10
11	6.00 1.48	5.67 1.63	6.06 2.02	6.42 1.65	7.04 1.95	6.26 1.57	5.85 2.04	6.80 2.11	7.38 1.63	7.37 1.63	6.42 2.24	6.34 2.45	11
12	5.86 1.49	5.98 2.04	5.72 1.49	6.56 1.66	7.16 2.03	7.15 2.27	6.38 2.22	6.99 1.63	7.20 1.40	7.04 1.82	6.33 2.45	6.43 2.39	12
13	5.64 1.61	6.05 2.09	5.22 0.61	6.78 1.59	7.17 2.07	6.93 2.22	6.51 1.75	7.40 1.75	6.89 1.19	6.82 1.94	6.20 2.39	6.62 2.52	13
14	5.76 1.52	6.36 2.04	5.31 0.87	6.92 1.82	6.90 1.94	6.67 2.12	6.63 1.53	7.11 1.29	6.61 1.29	6.38 1.91	6.36 2.65	6.40 2.33	14
15	5.70 1.77	6.40 1.89	7.03 1.70	7.34 1.97	6.65 2.04	6.31 2.19	6.84 1.78	6.93 1.23	6.25 1.34	6.09 1.91	6.44 2.47	6.11 2.05	15
16	5.70 1.89	6.54 1.84	6.96 1.55	7.26 1.91	6.59 2.36	6.70 2.73	7.12 1.50	6.82 1.42	5.82 1.60	6.19 2.15	6.86 2.43	5.99 1.63	16
17	5.89 1.99	6.76 2.01	7.02 2.12	6.77 3.48	6.61 3.37	7.01 2.38	6.39 0.91	6.52 1.48	6.05 1.85	6.18 2.41	6.61 2.28	6.54 1.68	17
18	6.13 2.06	6.77 1.99	7.42 1.99	6.34 1.70	6.50 2.54	6.71 1.81	6.21 1.01	5.98 1.44	6.27 2.29	6.44 2.23	6.63 2.25	5.83 2.30	18
19	6.22 1.88	6.91 4.38	7.09 4.32	6.00 1.60	6.63 2.45	6.60 1.58	6.08 1.18	5.74 1.50	6.51 2.83	6.76 2.17	6.84 2.07	6.76 2.34	19
20	6.33 2.11	6.54 1.85	6.51 1.79	5.82 1.66	7.08 2.50	6.45 1.48	5.70 1.27	5.11 1.70	6.39 2.38	6.87 2.23	5.59 2.01	6.60 2.11	20
21	6.50 3.82	6.66 1.69	5.57 1.34	6.10 1.81	7.45 2.58	6.18 1.27	5.39 1.02	5.92 2.12	4.71 1.94	5.34 2.20	6.80 1.88	6.10 1.70	21
22	6.30 1.91	6.34 1.73	4.97 0.86	6.35 2.12	7.09 2.29	6.01 1.47	5.15 1.17	6.04 2.31	6.50 1.75	6.97 2.12	6.61 1.70	5.94 1.84	22
23	6.11 1.85	5.93 1.74	5.16 0.84	6.51 1.85	7.08 2.26	6.16 1.52	5.22 1.57	6.20 2.10	6.83 1.89	7.07 2.14	6.55 1.70	5.99 1.95	23
24	5.95 1.62	5.53 1.57	5.49 1.16	6.78 1.84	7.19 2.23	5.96 1.48	5.52 1.76	6.31 1.84	7.05 1.94	7.07 1.93	6.52 1.90	6.29 2.30	24
25	5.78 1.63	5.71 1.58	5.90 1.54	7.26 2.05	7.18 2.31	6.28 1.77	5.61 1.63	6.25 2.22	7.20 1.62	7.00 1.93	6.43 1.96	6.64 1.92	25
26	5.68 1.60	5.90 1.75	6.45 1.86	7.71 2.20	7.24 2.52	5.89 1.59	5.88 1.47	6.28 1.37	7.38 2.21	7.02 2.03	5.99 2.01	6.87 2.05	26
27	5.80 1.51	6.25 1.98	6.59 1.59	7.41 2.08	7.53 3.04	5.73 1.67	6.02 1.51	6.49 1.51	7.10 1.94	6.99 2.13	6.25 2.27	6.93 2.14	27
28	5.89 1.74	6.55 1.98	7.08 1.66	7.37 2.02	7.22 2.86	5.66 1.86	6.37 1.74	6.79 1.85	6.95 1.85	6.76 2.27	6.35 2.35	7.26 2.17	28
29	5.58 1.45	7.18 2.25	7.24 1.61	7.76 2.78	6.83 2.92	5.82 1.89	6.40 1.66	6.74 1.65	6.38 1.36	6.29 2.04	6.54 2.21	7.19 2.57	29
30	5.79 1.59	7.65 2.19	7.35 1.56	7.33 2.19		6.13 2.02	6.62 1.82	6.66 1.54	6.12 1.44	6.37 2.45	7.16 2.11	6.71 2.17	30
31	6.13 1.78		7.14 1.44	6.87 3.48		6.50 2.34		6.53 1.58		6.51 2.55	7.26 2.72		31
MAXIMUM	6.76	7.65	7.62	7.76	7.53	7.15	7.12	7.40	7.38	7.61	7.36	7.34	MAXIMUM
MINIMUM	1.45	1.51	0.61	1.29	1.83	1.27	0.91	1.23	1.19	1.82	1.70	1.63	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 08 42	121 41 30	SW 31 4N 3E		10.2	12-26-1955		1925-DATE	1925		0.00	USED
								1961		-0.57	USED
								1961		-3.63	USCCS
									1964	-3.80	USCCS
										-3.00	USCCS

Station located on dock at U. S. Engineers Transportation Depot, 1.1 miles below State Highway 12 bridge. Station located in tidal zone.  
Maximum gage height listed does not indicate maximum discharge.



TABLE 8-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

THREEMILE SLOUGH AT SACRAMENTO RIVER

in feet

STATION NO	WATER YEAR
B91160	1968

DATE	OCT.	NOV	DEC	JAN	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.81 -0.82	3.68 -1.00	4.24 -1.40	4.12 0.69	3.26 -0.88	3.89 0.42	3.77 -0.31	3.53 -1.19	3.29 -1.28	3.07 -0.96	3.77 -0.10	4.38 -0.37	1
2	3.68 -0.79	4.11 -1.00	4.24 -1.28	3.81 -1.31	3.05 -0.98	3.95 0.64	3.50 -0.78	3.41 -1.23	2.91 -1.24	3.16 -0.76	4.06 -0.38	4.30 -0.58	2
3	3.63 -0.70	4.40 -0.74	4.68 1.30	3.24 -1.33	3.15 -0.67	3.74 0.23	3.00 -1.19	3.56 -0.82	2.70 -1.31	3.39 -0.74	4.31 -0.62	2.92 -0.63	3
4	3.64 -0.76	4.54 0.96	4.54 -0.96	2.60 -1.52	3.04 -0.60	3.39 0.00	2.76 -1.18	3.22 -1.00	3.28 -0.80	3.63 -0.42	4.40 -0.80	4.42 -0.45	4
5	3.70 -1.02	4.25 -0.83	3.78 -0.48	2.60 -1.44	3.03 -0.29	3.57 0.14	2.77 -1.06	2.71 -1.00	3.23 -0.67	4.28 -0.64	2.51 -0.87	4.17 -0.63	5
6	3.76 -0.24	3.74 -1.11	3.19 -1.28	2.57 -1.27	3.28 -0.32	3.37 0.11	2.26 -1.51	2.24 -1.50	3.43 -0.59	4.70 -0.29	4.48 -0.96	4.02 -0.48	6
7	3.79 -1.18	3.70 -1.33	3.26 -1.12	2.61 -1.16	3.54 -0.45	3.23 -0.11	2.27 -1.56	2.54 -1.21	1.97 -0.90	2.60 -0.45	4.40 -0.84	3.74 -0.46	7
8	3.77 -1.20	2.99 -1.03	2.74 -1.17	2.73 -0.98	3.72 -0.56	3.58 -0.19	2.57 -1.54	2.98 -0.53	3.79 -1.01	4.86 -0.58	4.39 -0.62	3.45 -0.30	8
9	3.66 -1.20	2.79 -1.17	2.70 -1.25	3.20 -0.81	3.84 -0.75	3.19 -0.87	2.69 -1.50	3.44 -0.31	4.22 -1.11	4.86 -0.81	4.15 -0.76	3.37 -0.20	9
10	3.28 -1.09	2.79 -1.20	2.81 -0.97	4.48 -0.49	4.03 -0.81	3.02 -1.26	2.84 -1.16	3.54 -0.69	4.34 -1.23	4.69 -0.90	3.89 -0.57	3.41 -0.17	10
11	3.06 -1.34	2.77 -1.17	3.13 -0.79	3.53 -1.18	4.08 -0.89	3.31 -1.26	2.92 -0.77	3.83 -0.75	4.46 -1.19	4.42 -0.92	3.48 -0.52	3.44 -0.31	11
12	2.94 -1.51	3.04 -0.77	2.87 -1.32	3.63 -1.16	4.19 -0.81	4.10 -0.56	3.42 -0.58	4.03 -1.07	4.27 -1.41	4.12 -1.01	3.38 -0.33	3.55 -0.37	12
13	2.69 -1.22	3.12 -0.69	2.43 -2.10	3.85 -1.25	4.24 -0.74	3.97 -0.61	3.63 -0.99	4.44 -1.11	3.96 -1.62	3.89 -0.87	3.28 -0.38	3.74 -0.28	13
14	2.84 -1.22	3.44 -0.78	2.48 -1.93	3.98 -1.02	3.96 -0.86	3.68 -0.69	3.69 -1.26	4.18 -1.55	3.68 -1.50	3.48 -0.88	3.45 -0.12	3.53 -0.43	14
15	2.77 -1.03	3.46 -0.92	4.08 -1.14	4.39 -0.86	3.70 -0.77	3.32 -0.63	3.90 -1.04	4.02 -1.59	3.32 -1.47	3.16 -0.86	3.55 -0.31	3.27 -0.71	15
16	2.75 -0.93	3.61 -0.99	4.02 -1.26	4.27 -0.93	3.65 -0.46	3.68 -0.10	4.19 -1.34	3.91 -1.41	2.89 -1.21	3.26 -0.63	3.97 -0.37	3.18 -1.02	16
17	2.99 -0.83	3.83 -0.84	4.07 -0.66	3.79 0.69	3.67 0.54	4.02 -0.43	3.51 -1.88	3.60 -1.38	3.11 -0.96	3.27 -0.37	3.74 -0.50	3.66 -1.09	17
18	3.19 -0.77	3.84 -0.86	4.48 1.85	3.38 -1.11	3.54 -0.29	3.73 -1.00	3.33 -1.80	3.07 -1.37	3.35 -0.52	3.55 -0.55	3.77 -0.56	2.94 -0.47	18
19	3.28 -0.94	4.02 1.58	4.16 -0.85	3.03 -1.23	3.66 -0.37	3.63 -1.24	3.17 -1.63	2.82 -1.30	3.56 0.05	3.86 -0.62	3.97 -0.73	3.87 -0.46	19
20	3.38 -0.73	3.63 -0.96	3.58 -1.04	2.84 -1.18	4.12 -0.33	3.49 -1.37	2.84 -1.53	2.98 -1.11	3.48 -0.43	3.98 -0.57	2.68 -0.77	3.72 -0.64	20
21	3.57 0.98	3.86 -1.12	2.65 -1.49	3.11 -1.00	4.48 -0.22	3.25 -1.56	2.47 -1.75	2.14 -0.66	1.81 -0.85	2.47 -0.60	3.92 -0.94	3.22 -0.98	21
22	3.38 -0.91	3.44 -1.07	2.06 -1.97	3.36 -0.68	4.14 -0.55	3.08 -1.38	2.25 -1.62	3.10 -0.48	3.57 -1.06	4.10 -0.77	3.72 -1.08	3.05 -0.89	22
23	3.20 -1.00	3.04 -1.09	2.23 -1.98	3.54 -0.97	4.15 -0.59	3.20 -1.30	2.29 -1.25	3.28 -0.71	3.91 -0.93	4.17 -0.66	3.66 -1.08	3.09 -0.80	23
24	3.06 -1.21	2.64 -1.24	2.54 -1.64	3.81 -0.99	4.23 -0.58	3.02 -1.38	2.53 -1.03	3.39 -0.96	4.11 -0.87	4.16 -0.85	3.63 -0.88	3.37 -0.86	24
25	2.87 -1.20	2.76 -1.24	2.95 -1.26	4.31 -0.78	4.20 -0.56	3.31 -1.04	2.68 -1.15	3.33 -1.20	4.28 -0.61	4.10 -0.86	3.52 -0.82	3.72 -0.04	25
26	2.78 -1.22	2.96 -1.06	3.49 -0.97	4.72 -0.63	4.24 -0.35	2.92 -1.22	3.04 -1.20	3.36 -1.42	4.42 -0.62	4.12 -0.76	3.09 -0.77	3.97 -0.71	26
27	2.87 -1.32	3.31 -0.83	3.65 -1.05	4.63 -0.77	4.49 0.14	2.76 -1.13	3.17 -1.23	3.58 -1.30	4.17 -0.86	4.08 -0.64	3.34 -0.52	4.04 -0.64	27
28	2.93 -1.10	3.61 -0.83	4.13 -1.16	4.41 -0.84	4.23 -0.02	2.70 -0.93	3.44 -1.07	3.86 -1.09	4.05 -0.96	3.88 -0.52	3.46 -0.39	4.40 -0.62	28
29	2.67 -1.29	4.22 -0.57	4.30 -1.23	4.78 -0.06	3.83 0.06	2.87 -0.90	3.50 -1.15	3.83 -1.15	3.56 -0.42	3.39 -0.77	3.64 -0.55	4.30 -0.23	29
30	2.82 -1.23	4.70 -0.63	4.40 -1.24	4.37 -0.63	3.17 -0.77	3.17 -0.77	3.67 -0.98	3.73 -1.28	3.22 -1.33	3.45 -0.34	4.20 -0.67	3.81 -0.61	30
31	3.17 -1.03		4.19 -1.39	3.89 0.66		3.53 -0.48		3.62 -1.22		3.58 -0.24	4.36 -0.15		31
MAXIMUM	3.81	4.70	4.68	4.78	4.49	4.10	4.19	4.44	4.46	4.86	4.48	4.42	MAXIMUM
MINIMUM	-1.51	-1.33	-2.10	-1.52	-0.98	-1.56	-1.88	-1.59	-1.62	-1.01	-1.08	-1.09	MINIMUM

E - Estimated  
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 06 18	121 41 57	NE 13 3N 2E		6.7	12-26-1955		APR 1929-DATE	1929	1940	0.00	USED
								1940	1959	0.00	USCGS
								1959		-10.00	USCGS
								1959		-6.78	USEO
									1964	-10.24	USCGS
										0.00	USCGS

Station located on Sherman Island, 0.1 mile east of State Highway 160 bridge, 3.6 miles south of Rio Vista. Station located in tidal zone.

TABLE B-12 (CONT)  
DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT COLLINSVILLE

in feet

STATION NO	WATER YEAR
891110	1968

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.13 1.75	6.07 1.61	6.67 1.28	6.58 1.30	5.58 2.76	NR NR	6.17 2.27	5.87 1.34	5.62 1.19	5.31 1.52	5.94 2.28	6.49 1.92	1
2	6.04 1.83	6.50 1.62	6.67 1.34	6.27 1.30	5.39 1.59	NR NR	5.85 1.76	5.72 1.30	5.19 1.19	5.29 1.66	6.23 2.04	6.48 1.90	2
3	6.02 1.19	6.75 1.71	7.13 1.69	5.67 3.07 E	5.47 1.90	NR NR	5.34 1.33	5.78 1.54	4.93 1.18	5.55 1.76	6.46 1.84	5.10 1.80	3
4	6.00 1.83	6.84 3.46	6.94 3.87	5.02 1.11 E	5.38 2.00	NR NR	5.12 1.28	5.47 1.42	5.48 1.53	5.89 2.13	6.63 1.68	6.55 1.94	4
5	6.09 1.54	6.38 1.68	6.21 2.16	5.00 1.14 E	5.40 2.28	NR NR	5.08 1.42	5.01 1.45	5.52 1.92	6.44 1.89	6.67 1.59	6.33 1.81	5
6	6.14 2.38	6.10 1.47	5.63 1.33	4.98 1.37	5.64 2.26	NR NR	4.62 0.95	4.86 1.04	5.76 1.93	6.85 2.05	4.75 1.53	6.17 1.95	6
7	6.17 1.41	6.02 1.25	5.68 1.57	5.02 1.49	5.86 2.09	NR NR	4.64 0.94	4.68 1.32	4.30 1.60	6.97 1.96	6.64 1.62	5.91 1.99	7
8	6.14 1.38	5.35 1.56	5.14 1.43	5.14 1.67	6.06 1.99	5.93 2.25	4.97 1.02	5.24 1.97	6.06 1.46	6.97 1.82	6.58 1.76	5.61 2.10	8
9	6.00 1.33	5.10 1.32	5.12 1.37	5.59 1.82	6.17 1.82	5.52 1.56	5.08 1.06	5.62 2.13	6.48 1.39	7.05 1.69	6.38 1.72	5.56 2.24	9
10	5.63 1.44	5.15 1.36	5.24 1.67	6.77 2.10	6.34 1.75	5.37 1.25	5.22 1.40	5.83 1.82	6.61 1.28	6.90 1.59	6.08 1.81	5.63 2.38	10
11	5.39 1.24	5.11 1.42	5.57 1.83	5.97 1.70	6.43 1.70	5.65 1.27	5.30 1.76	6.09 1.68	6.74 1.28	6.64 1.48	5.64 1.85	5.67 2.17	11
12	5.31 1.23	5.40 1.83	5.35 1.30	6.02 1.42	6.55 1.78	6.40 1.99	5.79 1.98	6.32 1.35	6.53 1.08	6.34 1.46	5.47 2.04	5.78 2.07	12
13	5.03 1.35	5.50 1.89	5.00 0.52 E	6.25 1.35	6.60 1.85	6.29 1.94	5.97 1.61	6.72 1.45	6.24 0.92	6.14 1.62	5.52 2.14	5.92 2.13	13
14	5.23 1.38	5.80 1.82	5.00 0.60 E	6.38 1.60	6.34 1.76	6.03 1.84	6.08 1.32	6.50 1.03	5.94 1.02	5.72 1.64	5.62 2.36	5.74 2.03	14
15	5.21 1.58	5.84 1.67	6.53 1.50	6.76 1.71	6.10 1.87	5.66 1.92	6.26 1.45	6.33 0.97	5.65 1.09	5.40 1.65	5.75 2.19	5.53 1.76	15
16	5.13 1.68	5.97 1.61	6.45 1.31	6.60 1.62	6.12 2.21	6.03 2.42	6.44 1.23	6.20 1.11	5.21 1.29	5.47 1.89	6.16 2.08	5.46 1.44	16
17	5.34 1.77	6.18 1.64	6.52 1.83	6.15 1.42	6.08 2.35	6.34 2.08	5.90 0.82	5.90 1.08	5.34 1.57	5.53 2.19	5.94 1.98	5.90 1.44	17
18	5.55 1.73	6.21 1.65	6.86 1.75	5.74 2.99	5.93 2.46	6.06 1.53	5.70 0.83	5.39 1.10	5.58 1.98	5.80 1.98	6.03 1.77	5.15 1.97	18
19	5.67 1.64	6.40 1.61	6.60 1.57	5.38 1.36	6.02 2.34	5.97 1.28	5.56 0.88	5.10 1.25	5.78 2.43	6.05 1.90	6.26 1.76	6.06 1.95	19
20	5.75 1.68	6.00 3.97	6.02 3.76	5.20 1.43	6.46 2.24	5.84 1.14	5.18 0.96	5.24 1.33	5.74 2.05	6.18 1.84	6.20 1.73	5.97 1.82	20
21	5.89 3.37	6.22 1.44	5.10 1.17 E	5.50 1.61	6.80 2.26	5.59 0.95	4.78 0.83	5.39 1.82	5.83 1.64	6.27 1.78	4.70 1.61	5.52 1.55	21
22	5.72 1.62	5.82 1.52	5.40 0.60 E	5.77 1.96	6.48 1.96	5.43 1.11	4.61 0.90	4.38 2.02	4.30 1.46	6.38 1.75	5.98 1.43	5.37 1.66	22
23	5.58 1.49	5.44 1.50	4.65 0.60 E	5.93 1.65	6.43 1.88	5.46 1.15	4.64 1.24	5.54 1.76	6.07 1.52	6.38 1.73	5.92 1.47	5.40 1.75	23
24	5.41 1.35	5.03 1.35	4.98 0.88 E	6.20 1.63	NR NR	5.35 1.07	4.86 1.50	5.65 1.55	6.31 1.64	6.38 1.57	5.88 1.64	5.68 1.68	24
25	5.21 1.30	5.14 1.35	5.40 1.41	6.69 1.78	NR NR	5.58 1.43	5.03 1.48	5.68 1.29	6.44 1.76	6.35 1.59	5.75 1.72	6.03 2.49	25
26	5.14 1.29	5.32 1.54	5.94 1.69	6.98 1.90	NR NR	5.27 1.31	5.33 1.37	5.64 1.10	6.44 1.70	6.34 1.72	5.38 1.77	6.23 1.79	26
27	5.17 1.23	5.69 1.78	6.12 1.40	6.95 1.81	NR NR	5.10 1.44	5.57 1.36	5.85 1.22	6.35 1.56	6.28 1.80	5.52 1.96	6.30 1.84	27
28	5.20 1.40	6.00 1.77	6.58 1.49	6.79 1.78	NR NR	5.05 1.62	5.77 1.49	6.10 1.39	6.33 1.52	6.04 1.90	5.70 2.15	6.51 1.84	28
29	5.14 1.27	6.66 2.02	6.76 1.40	7.17 2.53	NR NR	5.23 1.68	5.82 1.40	6.12 1.35	5.87 1.15	5.63 1.77	5.92 1.98	6.48 2.12	29
30	5.20 1.36	7.00 1.87	6.85 1.40	6.72 1.92	NR NR	5.53 1.80	5.93 1.46	6.03 1.25	5.52 1.22	5.60 2.07	6.35 1.83	5.99 1.85	30
31	5.54 1.56		6.63 1.27	6.20 1.65	NR NR	5.80 1.97		5.92 1.30		5.71 2.16	6.49 2.10		31
MAXIMUM	6.17	7.00	7.13 E	7.17	NR	NR	6.44	6.72	6.74	7.05	6.67	6.55	MAXIMUM
MINIMUM	1.19	1.25	0.52 E	1.11 E	NR	NR	0.82	0.97	0.92	1.46	1.43	1.44	MINIMUM

E - Estimated  
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 04 25	121 51 18	SW 27 3N 1E		9.2	4-6-1958		JUNE 1929-DATE	1929		0.00	USED
								1929		-3.05	USCGS
									1964	-3.54	USCGS
									1964	-3.00	USCGS

Station located 0.4 mile southwest of Collinsville, 3.3 miles northeast of Pittsburg.



TABLE 8-12 (CONT 1)  
DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT MOSSDALE BRIDGE

in feet

STATION NO	DATE YEAR
E95820	1968

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.89 2.14	4.37 3.16	NR NR	4.40 2.78	3.57 2.34	4.32 3.15	3.74 2.26	3.04 0.24	2.98 0.08	NR NR	2.94 0.41	3.75 0.81	1
2	3.73 2.16	4.64 3.24	NR NR	4.26 2.78	3.42 2.22	4.31 3.22	2.54 2.41	2.98 0.20	2.71 0.17	NR NR	3.51 0.47	3.65 0.74	2
3	3.77 2.28	4.82 3.18	NR NR	3.90 2.74	3.45 2.22	4.01 2.64	3.63 2.34	2.89 0.48	2.33 0.02	NR NR	3.35 0.55	3.48 0.68	3
4	3.76 2.24	4.97 3.22	NR NR	3.59 2.69	3.11 1.83	3.64 2.32	3.44 2.01	3.02 0.30	2.07 0.19	2.71 0.06	3.48 0.61	NR NR	4
5	3.83 2.30	4.71 3.12	NR NR	3.59 2.72	3.22 1.73	3.97 2.50	3.44 1.90	2.52 0.26	2.44 0.18	3.17 0.22	3.40 0.59	NR NR	5
6	3.89 2.24	4.32 2.97	4.23 3.26	3.65 2.84	3.47 1.76	3.96 2.53	3.00 2.50	2.06 0.10	2.38 0.28	3.32 0.28	3.29 0.70	NR NR	6
7	3.99 2.23	3.57 2.73	4.28 3.22	3.75 2.87	3.86 1.91	3.82 2.48	2.79 1.62	1.88 0.40	2.55 0.38	3.42 0.35	3.03 0.67	2.89 0.84	7
8	3.10 2.30	4.32 2.85	4.14 3.29	3.70 2.78	3.94 1.84	4.20 3.35	2.79 1.32	2.35 0.68	2.91 0.34	3.50 0.43	2.91 0.61	2.72 0.95	8
9	4.05 2.40	3.94 2.80	4.01 3.23	3.91 2.72	4.02 1.95	3.96 2.71	2.58 1.21	2.71 0.87	3.29 0.50	3.44 0.33	2.77 0.61	2.62 0.92	9
10	3.23 2.17	3.72 2.83	4.06 3.22	5.17 2.82	4.19 2.19	3.89 2.60	2.48 0.99	2.63 0.58	3.53 0.60	3.32 0.29	2.69 0.63	2.88 0.80	10
11	3.60 1.80	NR NR	4.16 3.18	4.45 3.33	4.17 2.26	3.69 2.61	2.40 0.86	2.69 0.63	3.66 0.63	3.26 0.38	2.40 0.65	2.67 0.71	11
12	3.37 1.75	NR NR	4.37 3.20	4.43 3.10	4.30 2.69	4.10 2.28	2.57 0.86	2.96 0.62	3.46 0.42	3.24 0.52	2.45 0.66	3.20 0.62	12
13	3.17 1.74	NR NR	4.14 3.22	4.55 3.04	4.23 2.30	4.02 2.57	NR NR	3.45 0.86	3.18 0.24	3.12 0.58	2.50 0.55	3.48 0.81	13
14	3.10 1.79	NR NR	3.98 3.05	4.48 2.98	3.89 2.15	3.82 2.65	NR NR	3.44 0.79	3.05 0.29	2.74 0.34	1.93 0.61	2.11 0.72	14
15	2.99 1.73	NR NR	4.74 3.00	4.73 2.85	3.69 2.06	3.54 2.55	NR NR	3.36 0.71	2.79 0.15	2.45 0.47	3.11 0.79	3.16 0.54	15
16	3.07 1.84	NR NR	4.84 3.36	4.51 2.82	3.47 2.02	3.78 2.54	NR NR	3.33 0.75	2.42 0.12	2.69 0.50	3.79 1.06	2.99 0.53	16
17	3.17 1.93	NR NR	4.73 3.46	4.07 2.68	3.56 1.91	4.06 2.76	NR NR	3.09 0.58	2.29 0.17	2.75 0.44	3.75 0.81	2.78 0.40	17
18	3.41 1.93	NR NR	5.11 3.37	3.76 2.46	3.49 1.98	4.07 2.74	NR NR	2.65 0.44	2.45 0.33	2.94 0.48	3.65 0.74	3.07 0.72	18
19	3.53 2.01	NR NR	4.88 3.42	3.47 2.39	3.50 1.72	4.05 2.72	NR NR	2.37 0.37	2.63 0.61	3.31 0.50	3.48 0.68	3.17 0.83	19
20	3.73 2.09	NR NR	4.46 3.36	3.22 2.27	3.87 1.86	4.12 2.92	NR NR	2.19 0.29	2.89 0.39	3.61 0.56	NR NR	3.10 0.85	20
21	4.09 2.29	NR NR	3.83 3.08	3.39 2.21	4.31 2.01	4.19 3.04	NR NR	2.26 0.41	NR NR	3.81 0.74	NR NR	2.47 0.63	21
22	4.05 2.49	NR NR	3.41 2.81	3.47 2.15	4.32 2.62	4.08 3.46	NR NR	2.34 0.54	NR NR	3.71 0.71	NR NR	2.24 0.55	22
23	3.94 2.57	NR NR	3.53 2.83	3.51 1.88	4.65 3.09	4.17 3.06	NR NR	2.53 0.51	NR NR	3.56 0.78	2.89 0.84	2.35 0.58	23
24	3.78 2.39	NR NR	3.60 2.82	3.82 2.00	4.94 3.62	3.70 2.90	NR NR	2.59 0.39	NR NR	3.60 0.75	2.72 0.95	2.61 0.64	24
25	3.35 2.34	NR NR	3.73 2.70	4.32 2.13	4.87 3.52	3.82 2.64	NR NR	2.52 0.32	NR NR	3.27 0.65	2.62 0.92	2.99 0.68	25
26	3.84 2.68	NR NR	4.05 2.71	4.79 2.52	4.84 3.52	3.47 2.63	NR NR	2.70 0.24	NR NR	2.99 0.67	2.88 0.80	3.29 0.80	26
27	3.82 2.83	NR NR	4.15 2.80	4.57 2.36	4.94 3.72	3.21 2.35	2.40 0.30	2.99 0.46	NR NR	2.75 0.66	2.67 0.71	3.49 0.91	27
28	4.04 3.05	NR NR	4.51 2.78	4.11 2.47	4.59 3.50	2.98 2.15	2.78 0.75	3.53 0.62	NR NR	2.66 0.69	3.20 0.62	2.44 0.93	28
29	3.97 2.95	NR NR	4.67 2.88	4.22 2.12	4.31 3.27	2.87 1.79	2.98 0.47	3.47 0.48	NR NR	2.16 0.44	3.48 0.81	3.91 1.23	29
30	3.63 2.73	NR NR	4.72 2.90	4.37 2.33	4.33 2.33	2.96 1.69	3.22 0.60	3.21 0.18	NR NR	2.52 0.46	2.11 0.72	4.05 1.11	30
31	4.04 2.87	NR NR	4.49 2.89	4.03 2.44	4.03 2.44	3.53 2.09	NR NR	3.15 0.11	NR NR	2.77 0.49	3.16 0.54	NR NR	31
MAXIMUM	4.09	NR	NR	5.17	4.94	4.32	NR	3.53	NR	NR	NR	NR	MAXIMUM
MINIMUM	1.73	NR	NR	1.88	1.72	1.69	NR	0.10	NR	NR	NR	NR	MINIMUM

E - Estimated  
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D. & A.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 47 12	121 18 21	SW 3 25 6E		24.4	12-10-1950		1920-DATE	1920	1943	5.16	USED
								1943		0.00	USCS
								1943		3.27	USED
									1964	-0.17	USCS
									1964	0.00	USCS

Station located on U. S. Highway 50 bridge, 3.0 miles southwest of Lathrop. Station located in tidal zone. Maximum gage height listed does not necessarily indicate maximum discharge.

TABLE B-12 (CONT)  
DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT BRANDT BRIDGE

in feet

STATION NO	WATER YEAR
B95740	1968

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1					6.14 3.43	6.76 3.93	6.47 3.38	6.12 2.26	6.03 2.23	5.66 2.40	4.78 2.95	7.00 3.00	1
2					5.98 3.14	6.78 4.19	6.40 3.16	6.07 2.17	5.71 2.36	5.40 2.46	6.16 2.71	6.92 2.83	2
3				6.28 3.18	6.00 3.21	6.52 3.78	6.10 2.75	6.35 2.62	5.31 2.11	5.55 2.36	6.49 2.78	6.79 2.79	3
4				5.73 2.95	5.79 2.96	6.24 3.48	5.86 2.57	6.00 2.32	5.26 2.37	5.75 2.54	6.76 2.58	7.03 3.23	4
5				5.67 2.87	5.90 3.13	6.60 3.69	6.00 2.62	5.55 2.25	5.69 2.44	5.97 2.51	6.94 2.64	6.23 3.04	5
6				5.65 2.89	6.19 3.13	6.47 3.54	5.43 2.19	5.19 1.87	5.68 2.51	6.63 2.89	6.86 2.57	6.53 3.13	6
7				5.71 2.80	6.57 3.19	6.27 3.36	5.41 2.11	5.08 2.11	5.84 2.44	7.13 2.98	6.74 2.74	6.18 2.96	7
8				5.90 3.01	6.68 3.15	6.75 3.61	5.52 2.19	5.50 2.88	6.15 2.40	7.24 2.94	6.78 2.97	5.93 3.08	8
9				NR NR	6.76 3.12	6.33 3.12	5.46 2.21	5.93 2.99	6.53 2.49	7.23 2.76	6.58 2.81	5.86 3.12	9
10				NR NR	6.91 4.66	6.23 2.88	5.48 2.62	5.91 2.66	6.72 2.47	7.02 2.66	6.30 2.90	5.96 3.01	10
11				NR NR	6.90 3.20	6.18 3.99	5.51 2.79	6.04 2.79	6.88 2.49	6.75 2.66	5.97 2.92	5.92 2.98	11
12				NR NR	7.03 3.21	6.83 2.83	5.81 2.71	6.28 2.39	6.71 2.38	6.50 2.67	5.89 3.02	6.21 2.79	12
13				NR NR	7.01 3.35	6.67 3.45	6.03 2.65	6.71 2.61	6.42 2.08	6.29 2.66	5.73 2.73	6.47 2.91	13
14				NR NR	6.68 3.35	6.34 3.44	6.02 2.39	6.60 2.36	6.22 2.17	5.95 2.51	5.96 2.93	6.26 2.76	14
15				NR NR	6.46 3.21	6.05 3.34	6.23 2.62	6.50 2.26	5.89 2.04	5.35 2.37	6.10 2.78	6.07 2.50	15
16				NR NR	6.28 3.21	6.31 3.31	6.62 2.60	6.46 2.44	5.51 2.24	5.55 2.66	4.90 2.66	5.04 2.37	16
17				NR NR	6.34 3.23	6.68 3.60	6.30 2.24	6.19 2.36	5.46 2.37	5.65 2.52	6.60 2.73	5.91 2.20	17
18				6.26 3.13	6.35 3.52	6.55 3.48	5.97 2.07	5.76 2.26	5.66 2.67	5.70 2.44	6.44 2.70	6.23 2.75	18
19				5.93 3.00	6.38 3.26	6.49 3.09	5.83 1.93	5.64 2.19	5.83 3.06	6.00 2.45	6.51 2.55	6.37 2.89	19
20				5.66 2.90	6.69 3.37	6.45 2.99	5.64 1.95	5.38 2.24	6.04 2.69	6.39 2.57	6.55 2.56	6.30 2.88	20
21				5.91 2.89	7.18 3.68	6.34 2.86	5.30 1.89	5.54 2.51	5.96 2.37	6.55 2.62	6.67 2.56	5.76 2.62	21
22				6.06 3.00	7.04 3.57	6.17 2.93	4.88 1.71	5.57 2.67	6.06 2.32	6.64 2.63	6.20 2.45	5.52 2.52	22
23				6.23 2.89	7.21 3.79	6.36 3.02	6.78 2.05	5.76 2.55	6.52 2.56	6.69 2.65	6.12 2.43	5.55 2.58	23
24				6.52 3.00	7.32 4.95	5.99 2.85	5.06 2.18	5.86 2.34	6.72 2.57	6.65 2.54	6.04 2.54	5.78 2.56	24
25				7.07 3.29	7.23 3.94	6.23 3.72	5.15 2.19	5.81 2.29	6.81 2.85	6.56 2.55	5.95 2.58	6.13 3.04	25
26				7.52 4.67	7.21 3.91	5.88 3.15	5.65 2.31	5.93 2.10	7.07 2.93	6.55 2.63	5.62 2.59	6.42 2.67	26
27				7.35 3.56	7.43 3.97	5.61 2.86	5.65 2.30	6.17 2.28	6.73 2.56	6.51 2.79	5.77 2.78	6.57 2.76	27
28				6.95 3.43	7.07 4.21	5.41 2.82	5.92 2.40	6.53 2.57	6.59 2.45	6.34 2.83	5.64 2.77	6.96 2.77	28
29				7.09 3.12	6.71 4.01	5.50 2.78	6.04 2.29	6.50 2.43	6.26 2.31	5.90 2.58	6.17 2.71	7.05 3.15	29
30				7.14 3.71		5.75 2.92	6.29 2.58	6.37 2.17	5.78 2.01	5.91 2.83	6.87 2.76	5.50 2.89	30
31				6.73 3.61		6.27 3.30		6.29 2.23		5.98 2.92	5.40 3.27		31
MAXIMUM				NR	7.43	6.83	6.62	6.71	7.07	7.24	6.94	7.05	MAXIMUM
MINIMUM				NR	2.96	2.78	1.71	1.87	2.01	2.36	2.43	2.20	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 51 53	121 19 18	NW 9 1S 6E		19.3	12-10-1950		JULY 40-SEPT 66 JAN 68-DATE	1940	1952	-3.61	USCGS
								1952		-3.79	USCGS
								1952		-0.58	USED
									1964	-3.34	USCGS
										-3.00	USCGS

Station located on Bowman Road between Roberts Island and Reclamation District 17. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge. Maximum of record is maximum recorded stage -- record not complete in December 1955. Station was discontinued October 1, 1966, and reactivated January 2, 1968.



TABLE 8-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

STOCKTON SHIP CHANNEL AT BURNS CUTOFF

in feet

STATION NO	DATE
R95660	1968

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	NR	6.48	7.10	6.94	6.09	6.65	6.54	6.40	6.26	5.83	6.53	5.59	
	NR	2.62	2.74	2.07	2.47	3.08	2.73	1.96	1.92	2.21	2.77	2.65	
2	NR	6.92	7.10	6.72	5.91	6.70	6.40	6.33	5.92	5.88	6.83	7.18	2
	NR	2.36	2.10	2.16	2.28	3.43	2.38	1.88	2.11	2.31	2.51	2.44	
3	NR	7.24	7.62	6.19	5.95	6.51	6.06	6.54	5.49	4.98	5.08	7.09	3
	NR	2.42	2.07	2.07	2.49	3.15	1.91	2.38	1.90	2.22	2.35	2.46	
4	NR	7.48	7.42	5.58	5.82	6.22	5.77	6.16	5.54	6.13	7.04	7.26	4
	NR	2.68	2.56	1.81	2.38	2.91	1.87	2.09	2.18	2.47	2.27	2.80	
5	NR	7.16	6.74	5.50	5.90	6.54	5.90	5.70	6.06	6.36	7.23	6.98	5
	NR	2.60	2.82	1.79	2.66	3.13	1.97	2.01	2.22	2.31	2.27	2.62	
6	NR	6.68	6.12	5.48	6.18	6.36	5.32	5.42	6.03	7.02	7.21	6.77	6
	NR	2.28	2.10	1.83	2.64	2.98	1.49	1.60	2.35	2.67	2.24	2.73	
7	NR	6.70	6.14	5.52	6.55	6.18	5.34	5.34	6.20	7.51	7.12	6.51	7
	NR	1.98	2.06	1.83	2.59	2.72	1.52	1.85	2.19	2.68	2.40	2.65	
8	NR	6.00	5.76	NR	6.66	6.63	5.56	5.78	6.53	7.64	7.14	6.24	8
	NR	2.22	2.08	NR	2.53	2.74	1.61	2.62	2.02	2.64	2.65	2.81	
9	NR	5.82	5.64	NR	6.76	6.18	5.52	6.26	6.92	7.63	6.92	6.15	9
	NR	1.98	1.86	NR	2.42	2.20	1.70	2.72	2.11	2.40	2.46	2.89	
10	NR	5.76	5.72	NR	6.90	6.05	5.66	6.24	7.08	7.42	6.65	6.21	10
	NR	1.96	2.04	NR	2.41	1.88	1.99	2.35	2.05	2.36	2.70	2.74	
11	NR	5.64	6.06	NR	6.93	6.11	5.74	6.46	7.25	7.15	6.26	6.22	11
	NR	1.94	2.34	NR	2.37	1.95	2.36	2.50	2.14	2.34	2.68	2.66	
12	NR	5.92	6.16	NR	7.07	6.91	6.14	6.69	7.09	6.88	6.18	6.43	12
	NR	2.32	2.08	NR	4.09	2.64	2.58	1.92	2.01	2.35	2.83	2.52	
13	NR	6.00	5.60	NR	7.09	6.62	6.36	7.13	6.78	6.64	6.03	6.66	13
	NR	2.44	1.46	NR	2.53	3.19	2.27	2.15	1.68	2.41	2.55	2.58	
14	NR	6.36	5.68	NR	6.79	6.34	6.38	6.95	6.56	6.25	6.25	6.44	14
	NR	2.44	2.74	NR	2.58	2.58	2.00	1.79	1.79	2.23	2.71	2.45	
15	NR	6.38	6.96	NR	6.54	6.00	6.58	6.82	6.20	5.89	6.37	6.20	15
	NR	3.14	1.60	NR	2.48	2.49	2.23	1.74	1.71	2.17	2.55	2.22	
16	NR	6.50	6.96	NR	6.38	6.27	7.00	6.27	5.78	5.99	6.82	5.19	16
	NR	2.34	2.14	NR	2.50	2.52	1.97	1.95	1.92	2.35	2.46	2.07	
17	NR	6.74	6.92	NR	6.41	6.70	6.58	6.46	5.76	4.60	6.61	6.10	17
	NR	2.30	2.18	NR	2.63	2.76	1.70	1.95	2.16	2.48	2.48	1.89	
18	NR	6.82	7.46	6.24	6.42	6.50	6.26	5.98	5.97	6.04	5.45	6.49	18
	NR	2.48	2.28	2.14	2.90	2.48	1.70	1.88	2.49	2.30	2.46	2.47	
19	NR	7.02	7.14	5.93	6.51	6.41	6.08	5.88	6.16	6.32	6.71	6.65	19
	NR	2.34	2.48	2.06	2.76	1.97	1.62	1.83	2.92	2.29	2.23	2.60	
20	NR	6.66	6.54	5.60	6.84	6.33	5.82	5.62	6.35	6.70	6.82	6.57	20
	NR	2.30	2.24	2.03	2.79	1.86	1.61	1.97	2.49	2.38	2.24	2.49	
21	NR	6.94	5.66	5.88	7.32	6.18	5.46	5.84	6.27	6.83	6.75	6.01	21
	NR	2.12	1.86	2.11	2.97	1.63	1.49	2.29	2.15	2.37	2.19	2.28	
22	NR	6.46	5.06	6.08	7.05	6.03	5.09	5.89	6.38	6.92	6.49	5.78	22
	NR	2.22	1.34	2.31	2.71	1.28	1.44	2.44	2.05	2.38	2.08	2.22	
23	NR	6.04	5.12	6.30	7.10	6.19	5.03	6.08	6.84	6.98	6.40	5.80	23
	NR	2.08	1.24	2.18	2.79	1.91	1.84	2.30	2.23	2.38	2.05	2.31	
24	NR	5.62	5.42	6.59	7.14	5.84	5.33	6.18	7.03	6.92	6.34	6.05	24
	NR	1.94	1.50	2.21	2.74	1.86	1.96	2.06	2.26	2.27	2.23	2.23	
25	NR	5.68	5.80	7.12	7.08	6.14	5.46	6.12	7.14	6.90	6.23	6.43	25
	NR	1.90	1.82	2.46	2.73	2.24	1.94	1.98	2.62	2.20	2.25	2.18	
26	NR	5.84	6.30	7.60	7.07	5.76	5.78	6.25	7.39	6.90	5.87	6.72	26
	NR	2.08	2.26	2.68	3.97	1.92	2.04	1.75	2.66	2.35	2.31	2.32	
27	NR	6.14	6.50	7.41	7.33	5.52	5.98	6.46	7.04	6.86	6.06	6.85	27
	NR	2.28	2.08	4.18	2.90	2.48	2.00	1.90	2.29	2.51	2.56	2.38	
28	NR	6.54	6.96	7.07	6.96	5.37	6.23	NR	6.89	6.67	6.15	7.20	28
	NR	2.46	2.26	2.55	3.26	2.01	2.08	NR	2.20	2.58	2.56	2.40	
29	NR	6.94	7.18	7.31	6.60	5.52	6.33	6.74	6.50	6.22	6.39	7.26	29
	NR	2.76	3.70	2.29	3.11	2.12	1.99	2.04	1.94	2.34	2.43	2.81	
30	NR	7.52	7.28	7.17	5.85	5.85	6.58	6.66	6.10	6.25	7.10	5.62	30
	NR	3.52	2.20	3.08	3.08	2.35	2.29	1.82	1.73	2.67	2.38	2.49	
31	NR		7.04	6.70		6.35		6.55		6.33	7.17		31
	NR		2.20	2.73		2.67		1.96		2.77	2.88		
MAXIMUM	NR	7.52	7.62	NR	7.33	6.91	7.00	NR	7.39	7.64	7.23	7.26	MAXIMUM
MINIMUM	NR	1.90	1.24	NR	2.28	1.63	1.44	NR	1.68	2.17	2.05	1.89	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
37 52 46	121 21 54	SW 6 1N 6E		10.3	12-26-1955			MAY 1940-DATE	1940	1943	-4.22	USCGS
									1943	1945	-4.39	USCGS
									1945	1946	-4.70	USCGS
									1946	1951	-3.00	USCGS
									1951		-3.02	USCGS
										1964	-3.53	USCGS
											-3.00	USCGS

Station located on north end of Rough and Ready Island, approximately 0.4 mile above Burns Cutoff. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

TABLE B-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT RINDGE PUMP

in feet

STATION NO	WATER YEAR
B95620	1968

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.56 -0.48	3.35 -0.33	3.98 -0.23	3.81 -0.99	2.95 -0.52	3.50 0.10	NR NR	3.26 -1.03	3.14 -1.06	2.80 -0.83	3.38 -0.24	2.44 -0.36	1
2	3.37 -0.48	3.77 -0.62	3.94 -0.88	3.58 -0.89	2.77 -0.79	3.56 0.44	NR NR	3.21 -1.13	2.78 -0.95	2.74 -0.71	3.68 -0.54	4.03 -0.58	2
3	3.34 -0.37	4.11 -0.58	4.40 -0.88	3.06 -0.99	2.82 -0.59	3.38 0.15	2.87 -1.08	3.43 -0.64	2.37 -1.12	1.86 -0.67	1.95 -0.65	3.93 -0.55	3
4	3.36 -0.37	4.32 -0.30	4.27 -0.48	2.45 -1.18	2.70 -0.69	3.07 -0.09	2.67 -1.13	3.05 -0.93	2.42 -0.79	2.98 -0.55	3.97 -0.73	4.11 -0.21	4
5	3.38 -0.49	4.01 -0.36	3.61 -0.15	2.37 -1.20	2.78 -0.44	3.41 0.12	2.78 -1.02	2.59 -1.00	2.93 -0.78	3.21 -0.68	4.08 -0.72	3.80 -0.43	5
6	3.45 -0.69	3.55 -0.72	3.02 -0.88	2.35 -1.19	3.07 -0.39	3.24 -0.09	2.21 -1.46	2.31 -1.41	2.90 -0.65	3.87 -0.32	4.06 -0.77	3.61 -0.28	6
7	3.51 -0.89	3.57 -0.99	3.03 -0.99	2.43 -1.18	3.42 -0.49	3.08 -0.29	2.22 -1.48	2.22 -1.14	3.07 -0.82	4.36 -0.32	3.96 -0.62	3.35 -0.36	7
8	3.57 -0.89	2.91 -0.75	2.62 -0.93	2.53 -0.96	3.54 -0.47	3.50 -0.27	2.44 -1.35	2.63 -0.38	3.40 -0.90	4.49 -0.38	3.98 -0.37	3.09 -0.22	8
9	3.53 -0.89	2.68 -0.99	2.48 -1.19	2.97 -0.79	3.64 -0.59	3.06 -0.80	2.43 -1.28	3.13 -0.26	3.80 -0.88	4.46 -0.54	3.76 -0.54	2.99 -0.22	9
10	3.15 -0.89	2.67 -1.03	2.61 -0.96	4.42 -0.27	3.78 -0.58	2.92 -1.19	NR NR	3.11 -0.62	3.95 -0.95	4.27 -0.77	3.49 -0.35	3.06 -0.29	10
11	2.93 -1.15	2.50 -1.02	2.91 -0.69	3.40 -0.93	3.78 -0.69	2.98 -1.04	NR NR	3.33 -0.49	4.11 -0.64	4.00 -0.68	3.11 -0.35	3.07 -0.34	11
12	2.40 -1.13	2.78 -0.68	2.96 -0.99	3.67 -0.88	3.91 1.06	3.75 0.33	3.03 -0.43	3.55 -1.01	3.95 -0.99	3.74 -0.68	3.04 -0.20	3.27 -0.50	12
13	2.75 -0.99	2.87 -0.59	2.46 -1.59	3.72 1.07	3.95 -0.49	3.55 -0.32	3.24 -0.74	3.99 -0.82	3.65 -1.31	3.50 -0.61	2.90 -0.45	3.53 -0.71	13
14	2.70 -0.87	3.23 -0.59	2.55 -1.40	3.78 -0.87	3.64 -0.39	3.20 -0.39	3.25 -0.98	3.82 -1.19	3.41 -1.22	3.11 -0.77	3.10 -0.29	3.31 -0.55	14
15	2.58 -0.89	3.24 0.17	3.83 0.80	4.12 -0.79	3.40 -0.59	2.86 -0.50	3.46 -1.14	3.68 -1.24	3.06 -1.30	2.73 -0.84	3.24 0.46	3.11 -0.83	15
16	2.50 -0.79	3.38 -0.66	3.88 -0.80	3.95 -0.50	3.24 -0.43	3.15 -0.45	3.87 -1.00	3.63 -1.06	2.64 -1.04	2.90 -0.66	3.70 -0.56	2.05 -0.95	16
17	2.72 -0.50	3.60 -0.70	3.81 -0.82	3.45 -0.57	3.28 -0.39	3.57 -0.29	3.41 -1.32	3.33 -1.05	2.36 -0.87	2.90 -0.57	3.49 -0.57	2.96 -1.14	17
18	2.95 -0.67	3.65 -0.39	4.30 -0.69	3.07 -0.89	3.28 -0.09	3.34 -0.59	3.13 -1.35	2.85 -1.13	2.84 -0.54	1.35 -0.71	2.31 -0.57	3.34 -0.51	18
19	3.06 -0.60	3.87 -0.77	3.98 -0.52	2.72 -0.99	3.38 -0.22	3.27 -0.09	2.95 -1.37	2.72 -1.18	3.03 -0.09	3.19 -0.72	3.58 -0.75	3.50 -0.41	19
20	3.18 -0.79	3.50 -0.69	3.35 -0.79	2.47 -0.99	3.80 -0.29	3.22 -1.19	2.68 -1.40	2.49 -1.04	3.21 -0.51	3.56 -0.64	3.68 -0.76	3.42 -0.51	20
21	3.47 -0.55	3.81 -0.88	2.53 -1.20	2.74 -0.88	4.17 -0.09	3.06 -1.32	2.53 -1.48	2.71 -0.70	3.13 -0.88	3.69 -0.64	3.61 -0.61	2.86 -0.81	21
22	3.26 -0.69	3.35 -0.77	1.94 -1.69	2.95 -0.67	3.92 -0.30	2.90 -1.29	1.96 -1.54	2.77 -0.54	3.25 -0.97	3.78 -0.63	3.33 -0.92	2.63 -0.79	22
23	3.13 -0.80	2.93 -0.99	2.00 -1.73	3.15 -0.89	3.95 -0.23	3.03 -1.09	1.90 -1.14	2.95 -0.68	3.69 -0.78	3.86 -0.63	3.26 -0.97	2.68 -0.70	23
24	3.01 -1.07	2.51 -1.09	2.26 -1.49	3.46 -0.77	4.00 -0.24	2.71 -1.12	2.20 -1.02	3.05 -0.93	3.89 -0.74	3.82 -0.74	3.18 -0.80	2.95 -0.76	24
25	2.83 -1.19	2.55 -1.09	2.67 -1.16	3.98 -0.53	3.93 1.16	2.98 -0.89	2.33 -1.06	2.98 -1.03	4.00 -0.41	3.75 -0.73	3.08 -0.74	3.29 -0.79	25
26	2.70 -1.19	2.71 -0.92	3.18 -0.79	4.47 -0.30	3.92 -0.26	2.61 -1.09	2.64 -0.97	3.11 -1.25	4.27 -0.37	3.77 -0.65	2.72 -0.72	3.56 -0.68	26
27	2.66 -1.19	3.00 -0.79	3.36 -0.90	4.27 -0.40	4.18 -0.13	NR NR	2.84 -0.99	3.34 -1.10	3.90 -0.78	3.75 -0.59	2.92 -0.48	3.69 -0.64	27
28	2.80 -0.89	3.35 -0.53	3.83 -0.80	3.96 0.71	3.81 0.21	NR NR	3.11 -0.92	3.65 -0.83	3.76 -0.81	3.52 -0.41	3.00 -0.46	4.07 -0.61	28
29	2.75 -0.89	3.76 -0.29	4.04 0.61	4.21 -0.65	3.46 0.12	NR NR	3.20 -1.01	3.63 -0.94	3.34 -1.10	3.06 -0.68	3.25 -0.59	4.11 -0.20	29
30	2.56 -0.97	4.37 0.54	4.08 -0.78	4.04 0.11	NR NR	NR NR	3.46 -0.81	3.58 -1.16	2.93 -1.23	3.10 -0.33	3.93 -0.64	2.47 -0.58	30
31	2.88 -0.72	NR NR	3.90 -0.77	3.55 -0.29	NR NR	NR NR	NR NR	3.43 -1.06	NR NR	3.18 -0.25	4.06 -0.16	NR NR	31
MAXIMUM	3.57	4.37	4.40	4.47	4.18	NR	NR	3.99	4.27	4.49	4.08	4.11	MAXIMUM
MINIMUM	-1.19	-1.09	-1.73	-1.20	-0.79	NR	NR	-1.41	-1.31	-0.67	-0.97	-1.16	MINIMUM

E - Estimated  
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.S.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CF5	GAGE HT.	DATE			FROM	TO		
37 59 51	121 25 06	NW 27 2N 5E		7.1	12-26-1955		JULY 1939-DATE	1939	1940	-2.2	USED
								1940		0.00	USCCS
								1940		3.00	USED
									1964	-0.52	USCCS
								1964		0.00	USCCS

Station located on Rindge Tract at Fourteenmile Slough near junction with Stockton Ship Channel, 8 miles northwest of Stockton. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.



TABLE B-12 (CONT)  
DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT VENICE ISLAND

in feet

STATION NO	WATER YEAR
B95580	1968

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY.	JUNE.	JULY.	AUG.	SEP.	DATE
1	6.46 2.68	6.22 2.51	6.63 3.64	6.73 2.24	5.84 2.62	6.40 3.23	6.37 2.88	6.20 2.08	6.06 2.02	5.72 2.26	6.29 2.90	6.94 2.77	1
2	6.26 2.66	6.64 3.26	6.81 2.26	6.48 2.31	5.66 2.43	6.44 3.57	6.19 2.49	6.13 1.99	5.68 2.12	5.64 2.40	6.58 2.61	5.46 1.97	2
3	6.23 2.77	6.97 2.52	7.33 2.30	5.95 2.22	5.68 2.50	6.27 3.26	5.82 2.01	6.35 2.45	5.28 1.93	5.89 2.42	4.85 2.64	6.85 2.59	3
4	6.21 2.78	7.18 2.63	7.18 2.67	5.35 1.96	5.58 2.51	5.99 3.04	5.61 1.96	5.98 2.14	5.33 2.25	4.55 2.57	6.81 2.40	7.00 2.90	4
5	6.24 2.73	6.90 2.78	6.49 3.00	5.26 1.94	5.67 2.67	6.31 3.17	5.71 2.07	5.51 2.13	5.79 2.40	6.11 2.45	6.98 2.33	6.70 2.74	5
6	6.32 2.50	6.47 2.43	5.95 2.25	5.23 1.97	5.99 2.69	6.17 2.99	5.11 1.64	5.21 1.70	5.60 2.39	6.78 2.82	6.96 2.38	6.51 2.84	6
7	6.39 2.31	6.47 2.14	5.94 2.22	5.29 1.94	6.32 2.63	6.04 2.81	5.10 1.63	5.13 1.99	5.95 2.29	7.27 2.82	6.86 2.51	6.23 2.78	7
8	6.46 2.24	5.82 2.37	5.49 2.17	5.42 2.14	6.46 2.64	6.42 2.82	5.31 1.76	5.56 2.73	6.30 2.23	7.38 2.77	6.87 2.76	5.95 2.91	8
9	6.43 2.24	5.55 2.15	5.37 1.97	5.89 2.39	6.55 2.55	5.98 2.32	5.33 1.86	6.02 2.89	6.68 2.23	7.36 2.58	6.66 2.59	5.89 2.94	9
10	6.04 2.25	5.50 2.09	5.49 2.14	7.30 2.80	6.67 2.56	5.79 2.02	5.41 2.18	6.00 2.52	6.85 2.18	7.16 2.49	6.38 2.76	5.95 2.87	10
11	5.84 1.99	5.37 2.05	5.79 2.46	6.29 2.19	6.67 2.52	5.91 2.10	5.48 2.50	6.22 2.62	7.01 2.24	6.89 2.45	6.00 2.76	5.97 2.80	11
12	5.29 2.04	5.67 2.42	5.80 2.15	6.37 2.24	6.79 4.16	6.58 2.63	5.88 2.71	6.43 2.16	6.85 2.12	6.63 2.44	5.92 2.89	6.16 2.63	12
13	5.68 2.13	5.74 2.59	5.33 1.52	6.58 4.17	6.84 2.69	6.42 2.77	6.11 2.44	6.89 2.34	6.56 1.84	6.40 2.49	5.79 2.68	6.45 2.70	13
14	5.57 2.19	6.10 2.59	5.38 1.69	6.68 2.26	6.53 2.75	6.08 3.16	6.13 2.17	6.70 1.95	6.30 1.91	6.01 2.38	6.01 2.80	6.26 2.55	14
15	5.48 2.28	6.12 2.47	6.71 3.94	7.00 2.46	6.28 2.64	5.74 2.60	6.34 2.37	6.58 1.85	5.96 1.83	5.65 2.29	6.16 2.66	6.00 2.23	15
16	5.37 2.36	6.27 3.54	6.68 2.35	6.83 2.65	6.16 2.69	6.04 2.70	6.77 2.15	6.53 2.04	5.53 2.05	5.75 2.45	6.62 2.57	4.96 2.12	16
17	5.58 2.47	6.49 2.43	6.73 2.29	6.34 2.58	6.18 2.87	6.44 2.87	6.24 1.73	6.23 2.04	5.26 2.24	5.81 2.55	6.46 2.56	5.87 2.03	17
18	5.82 2.91	6.54 2.63	7.21 2.61	5.96 2.29	6.17 3.03	6.21 2.52	6.00 1.74	5.75 1.98	5.75 2.60	4.28 2.41	5.21 2.54	6.25 2.60	18
19	5.92 2.52	6.77 2.45	6.88 2.63	5.60 2.20	6.26 2.91	6.13 2.17	5.86 1.74	5.59 1.95	5.95 3.01	6.11 2.40	6.50 2.38	6.41 2.71	19
20	6.06 2.36	6.60 2.44	6.30 2.42	5.35 2.19	6.60 2.81	6.09 1.98	5.58 1.75	5.39 2.08	6.13 2.59	6.48 2.49	6.60 2.39	6.32 2.60	20
21	6.37 2.59	6.70 2.26	5.46 2.00	5.61 2.24	7.05 3.05	5.95 1.79	5.13 1.60	5.59 2.36	6.04 2.26	6.60 2.49	6.52 2.32	5.73 2.35	21
22	6.18 2.44	6.26 2.36	4.84 1.47	5.84 2.45	6.83 2.81	5.79 1.90	4.83 1.61	5.68 2.59	6.16 2.15	6.70 2.50	6.24 2.21	5.52 2.34	22
23	6.04 2.32	5.84 2.22	4.87 1.40	6.03 2.31	6.85 2.86	5.91 2.04	4.79 2.01	5.83 2.46	6.61 2.32	6.77 2.50	6.15 2.21	5.53 2.47	23
24	5.93 2.06	5.42 2.01	5.18 1.63	6.35 2.36	6.88 2.85	5.59 1.96	5.07 2.13	5.96 2.21	6.79 2.39	6.74 2.40	6.08 2.27	5.79 2.38	24
25	5.76 2.02	5.48 2.03	5.55 1.97	6.86 2.62	6.80 2.87	5.86 2.07	5.21 2.06	5.88 2.36	6.90 2.39	6.67 2.39	5.98 2.40	6.17 2.35	25
26	5.62 2.00	5.58 2.21	6.07 2.40	7.35 2.85	6.79 4.02	5.45 2.15	5.52 2.13	6.00 1.89	7.17 2.77	6.66 2.49	5.61 2.43	6.43 2.47	26
27	5.70 1.93	5.88 2.42	6.24 2.22	7.19 2.76	7.04 3.05	5.23 2.20	5.71 2.13	6.23 2.02	6.83 2.43	6.63 2.65	5.80 2.63	6.58 2.50	27
28	5.62 2.26	6.19 2.60	6.71 2.40	6.88 3.90	6.69 3.42	5.13 2.29	6.00 2.21	6.56 2.28	6.69 2.32	6.41 2.73	5.89 2.66	6.98 2.52	28
29	5.61 2.26	6.80 2.93	6.91 2.37	7.16 2.60	6.34 3.26	5.27 2.34	6.10 2.13	6.54 2.18	6.20 2.01	5.96 2.44	6.13 2.55	7.01 2.95	29
30	5.42 2.18	7.25 2.86	7.00 3.93	6.91 3.31	6.43 2.88	5.60 2.48	6.37 2.35	6.46 1.98	5.84 1.87	6.01 2.76	6.82 2.50	6.42 2.47	30
31	5.75 2.41		6.78 2.38			6.12 2.79		6.36 2.04		6.09 2.87	6.97 2.99		31
MAXIMUM	6.46	7.25	7.33	7.35	7.05	6.58	6.77	6.89	7.17	7.38	6.98	7.01	MAXIMUM
MINIMUM	1.93	2.01	1.40	1.94	2.43	1.79	1.60	1.70	1.83	2.26	2.21	2.03	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFR	GAGE HT.	DATE			FROM	TO			
38 03 01	121 29 45	ME 2 2M 4E		10.7	12-26-1955			OCT 1927 DATE	1927		-3.45	USCGS
									1959		-4.00	USCGS
									1964	1964	-4.01	USCGS
									1964		-3.00	USCGS

Station located on Little Connection Slough on Empire Tract, 0.7 mile south of Venice Island Ferry. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

TABLE 8-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

MIDDLE RIVER AT HOWRY BRIDGE

in feet

STATION NO	WATER YEAR
895540	1968

DATE	OCT	NOV	DEC	JAN.	FEB.	MAR.	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1						6.68 3.98	6.39 3.48	5.94 NR	5.86 2.50	5.39 2.61	5.70 2.67	6.78 3.03	1
2						6.67 4.20	6.35 3.30	5.91 NR	5.58 2.50	5.15 2.36	5.85 2.67	6.71 2.89	2
3						6.44 3.76	5.94 2.96	NR NR	5.13 2.51	5.19 2.56	6.21 2.55	6.54 2.88	3
4						6.20 3.56	5.78 2.82	NR NR	4.98 2.66	5.42 2.75	6.49 2.81	6.99 3.32	4
5						6.56 3.63	5.88 2.84	NR NR	5.42 2.74	5.65 2.30	6.66 2.71	6.63 3.19	5
6						6.41 3.54	5.36 4.24	NR NR	5.38 2.59	6.31 2.55	6.54 2.64	6.45 3.25	6
7						6.24 3.38	5.23 2.79	NR NR	5.50 2.52	6.84 2.77	6.43 2.42	5.86 3.07	7
8						6.62 5.16	5.40 2.78	5.09 2.66	5.89 2.66	6.93 2.66	6.49 2.74	5.65 3.22	8
9						6.23 3.44	5.27 2.78	5.38 2.91	6.28 2.66	6.93 2.35	6.27 2.73	5.52 2.96	9
10						5.97 3.16	5.26 2.76	5.54 2.79	6.46 2.67	6.67 2.57	5.96 2.86	5.81 2.96	10
11						6.04 3.01	5.25 2.77	5.65 2.95	6.60 2.62	6.39 2.63	5.70 2.94	5.58 2.95	11
12						6.64 3.05	5.47 2.85	5.94 2.74	6.42 2.62	6.14 2.44	5.64 2.85	6.10 2.63	12
13						6.49 3.55	5.68 2.89	6.37 2.76	6.14 2.56	5.98 2.70	4.96 2.74	6.39 2.87	13
14						6.16 3.54	5.68 2.79	6.35 2.71	5.93 2.51	5.67 2.58	5.50 2.61	4.95 2.79	14
15						5.82 3.45	5.91 2.85	6.23 2.70	5.67 2.44	5.18 2.52	5.76 2.36	6.09 2.67	15
16						6.14 3.43	6.32 2.84	6.21 2.73	5.33 2.65	5.23 2.61	5.90 2.26	5.90 2.59	16
17						6.43 3.62	6.10 2.75	5.95 2.62	5.21 2.62	5.34 2.40	6.46 2.51	5.70 2.36	17
18						6.36 3.56	5.76 2.71	5.52 2.62	5.41 2.88	5.38 2.38	6.29 2.27	6.00 2.84	18
19						6.30 3.26	5.56 NR	5.25 2.63	5.39 2.83	5.71 2.42	6.38 2.48	6.12 2.90	19
20						6.27 3.19	5.35 NR	5.08 2.84	5.84 2.53	6.16 2.62	6.36 2.25	6.05 2.95	20
21						6.22 3.11	4.96 NR	5.19 2.79	5.74 2.42	6.31 2.56	6.19 2.27	5.41 2.87	21
22						6.05 4.21	4.44 NR	5.26 2.81	5.86 2.41	6.39 2.35	5.94 2.63	5.17 2.78	22
23						6.21 3.15	4.07 NR	5.46 2.73	6.29 2.67	6.43 2.42	5.80 2.63	5.28 2.78	23
24						5.73 3.21	4.40 NR	5.50 2.67	6.48 2.70	6.39 2.72	5.71 2.65	5.51 2.81	24
25						6.05 3.06	4.47 NR	5.44 2.61	6.56 2.84	6.32 2.76	5.65 2.87	5.88 2.84	25
26						5.68 3.30	4.94 NR	5.62 2.56	6.86 2.92	6.25 2.73	5.31 2.60	6.17 2.89	26
27					7.27 4.07	5.40 3.09	5.28 NR	5.87 2.64	6.51 2.65	6.22 2.92	5.44 2.78	6.35 2.89	27
28					6.97 4.25	5.07 3.05	5.68 NR	6.42 2.62	6.36 2.68	6.08 2.93	5.49 2.74	5.21 2.92	28
29					6.65 4.11	5.20 2.98	5.80 NR	6.37 2.53	6.03 2.63	5.62 2.68	6.13 2.69	6.74 3.19	29
30						5.54 3.09	6.07 NR	6.12 2.53	5.50 2.55	5.34 2.92	4.90 2.87	6.86 2.93	30
31						6.07 3.36		6.07 2.52		5.64 2.84	6.80 3.26		31
MAXIMUM					NR	6.68	6.39	NR	6.86	6.93	6.80	6.99	MAXIMUM
MINIMUM					NR	2.98	NR	NR	2.41	2.30	2.25	2.36	MINIMUM

E - Estimated  
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.S.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 50 04	121 22 59	NE 24 18 5E		16.8	12-10-1950		JULY 48-SEPT 66	1948	1952	-2.70	USCGS
							MAR 68-DATE	1952		-2.67	USCGS
									1964	-3.23	USCGS
									1964	-3.00	USCGS

Station located at Undine Road crossing on Upper Roberts Island. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge. Maximum of record is maximum recorded stage -- record not complete in December 1955. Station was discontinued October 1, 1966, and reactivated February 26, 1968.



TABLE 8-12 (CONT)  
DAILY MAXIMUM AND MINIMUM TIDES

MIDDLE RIVER AT BORDEN HIGHWAY

in feet

STATION NO	DATE YEAR
B95500	1968

DATE	OCT	NOV	DEC	JAN	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.24 -0.43	3.06 -0.19	3.74 -0.03	6.31 -1.81	2.72 -0.47	3.25 -0.09	3.07 -0.29	2.89 -1.11	2.84 -1.14	2.41 -0.96	1.50 -0.37	2.04 -0.54	
2	3.00 -0.45	3.48 -0.46	3.70 -0.65	5.84 -1.66	2.55 -0.62	3.23 0.43	2.99 -0.61	2.85 -1.18	2.49 -1.05	2.19 -0.85	2.89 -0.64	3.59 -0.68	2
3	3.02 -0.31	3.81 -0.37	4.24 -0.61	3.55 -1.81	2.57 -0.48	3.05 -0.08	2.58 -1.14	3.13 -0.77	2.09 -1.27	2.26 -0.88	3.22 -0.74	3.47 -0.70	3
4	2.96 -0.31	4.06 -0.14	4.02 -0.26	2.27 -0.95	2.41 -0.61	2.82 -0.08	2.46 -1.21	2.78 -1.03	2.00 -0.93	2.47 -0.69	3.47 -0.80	3.84 -0.12	4
5	3.06 -0.40	3.79 -0.19	3.43 0.00	2.69 -1.00	2.58 -0.35	3.18 0.02	2.57 -1.15	2.29 -1.19	2.46 -0.86	2.69 -0.80	3.62 -0.77	3.52 -0.29	5
6	3.12 -0.59	3.36 -0.53	2.85 -0.70	2.62 -3.37	2.91 -0.37	3.05 -0.15	2.06 -1.56	1.89 -1.55	2.43 -0.79	3.34 -0.43	3.58 -0.81	3.33 -0.18	6
7	3.21 -0.80	3.37 -0.82	2.83 -0.82	2.73 -3.46	3.28 -0.38	2.96 -0.34	3.24 -3.58	1.71 -1.22	2.55 -0.83	3.88 -0.40	3.47 -0.67	2.81 -0.30	7
8	3.30 -0.83	2.76 -0.61	2.48 -0.83	3.01 -3.04	3.42 -0.39	3.30 -0.40	3.58 -3.16	2.15 -0.48	2.93 -0.94	3.98 -0.43	3.52 -0.42	2.54 -0.21	8
9	3.28 -0.83	2.46 -0.86	2.30 -1.03	3.87 -2.62	3.50 -0.49	2.86 -0.88	3.45 -3.00	2.57 -0.37	3.30 -0.92	4.01 -0.63	3.31 -0.57	2.47 -0.31	9
10	2.89 -0.82	2.36 -0.91	2.41 -1.03	6.70 -1.60	3.60 -0.49	2.58 -1.24	3.53 -2.49	2.58 -0.67	3.48 -0.96	3.78 -0.70	3.03 -0.43	2.68 -0.32	10
11	2.11 -1.09	2.15 -1.03	2.70 -0.49	4.75 -2.86	3.53 1.18	2.67 -1.08	3.64 -1.83	2.71 -0.59	3.66 -0.91	3.50 -0.77	2.69 -0.43	2.56 -0.50	11
12	2.71 -1.01	2.44 -0.67	2.94 -0.66	4.83 0.38	3.68 -0.52	3.28 0.21	4.10 -1.34	2.96 -1.04	3.46 -1.02	3.27 -0.75	2.62 -0.33	2.93 -0.57	12
13	2.48 -0.94	2.61 -0.38	2.58 0.11	5.25 -2.77	3.70 -0.36	3.10 -0.38	4.56 -1.82	3.38 -0.86	3.16 -1.31	3.06 -0.76	2.49 -0.57	3.22 0.50	13
14	2.40 -0.74	3.02 0.23	2.47 -1.23	5.37 -2.70	3.34 -0.31	2.77 -0.47	4.56 -2.53	3.28 -1.16	2.96 -1.21	2.70 -0.85	2.70 -0.41	2.98 -0.67	14
15	2.28 -0.79	3.00 -0.39	3.61 -1.18	6.01 -2.39	3.08 -0.42	2.45 -0.55	4.98 -2.14	3.16 -1.26	2.67 -1.30	2.29 -0.97	2.86 -0.55	2.76 -1.00	15
16	2.19 -0.71	3.16 -0.54	3.61 -0.69	3.74 -2.02	2.88 -0.37	2.76 -0.55	5.82 -2.43	3.13 -1.08	2.28 -1.10	1.53 -0.82	3.40 -0.69	1.75 -1.03	16
17	2.42 -0.59	3.39 -0.57	3.57 -0.72	3.23 -0.38	3.01 -0.27	3.04 -0.32	5.23 -2.94	2.87 -1.18	2.20 -0.97	2.39 -0.69	1.70 -0.62	2.57 -1.25	17
18	2.67 -0.59	3.44 -0.38	4.09 -0.58	2.86 -0.66	2.95 -0.01	2.92 -0.50	4.72 -3.27	2.40 -1.29	2.40 -0.61	2.42 -0.83	3.21 -0.70	2.91 -0.61	18
19	2.77 -0.51	3.69 -0.50	3.81 -0.31	2.48 -0.81	3.05 -0.19	2.89 -0.92	4.35 -3.29	2.17 -1.31	2.59 -0.20	2.74 -0.83	3.28 -0.82	3.03 -0.55	19
20	2.92 -0.64	3.33 -0.53	3.23 -0.57	2.15 -0.89	3.41 -0.16	2.87 -1.08	4.00 -3.23	1.99 -1.18	2.83 -0.64	3.15 -0.74	3.26 -0.81	2.97 -0.57	20
21	3.23 -0.48	3.74 -0.72	2.38 -0.97	2.45 -0.80	3.86 -0.04	2.83 -1.29	NR NR	2.12 -0.90	2.73 -0.96	3.30 -0.73	3.15 -0.84	2.34 -0.79	21
22	3.09 -0.60	3.21 -0.61	2.93 -1.52	2.60 -0.68	3.64 -0.29	2.67 -1.20	NR NR	2.24 -0.59	2.84 -1.03	3.38 -0.72	2.86 -0.96	2.11 -0.91	22
23	2.97 -0.74	2.80 -0.78	2.86 NR	2.85 -0.76	3.76 -0.13	2.78 -1.03	NR NR	2.42 -0.84	3.29 -0.86	3.43 -0.73	2.75 -1.07	2.16 -0.81	23
24	2.88 -0.98	2.35 -0.94	3.44 -3.01	3.17 -0.71	3.79 -0.20	2.36 -1.18	NR NR	2.51 -1.09	3.48 -0.81	3.41 -0.82	2.65 -0.87	2.39 -0.90	24
25	2.71 -1.03	2.32 -1.01	4.14 -2.41	3.70 -0.45	3.64 1.10	2.64 -0.79	NR NR	2.42 -1.11	3.58 -0.50	3.34 -0.82	2.58 -0.87	2.42 -0.94	25
26	2.53 -1.04	2.45 -0.81	5.10 -1.51	4.21 1.39	3.65 -0.23	2.30 -0.18	NR -0.58	2.58 -1.41	3.66 -0.43	3.32 -0.72	2.23 -0.83	3.06 -0.81	26
27	2.17 -1.09	2.81 -0.60	5.44 -1.83	4.01 -0.21	3.83 -0.03	2.05 -1.02	2.35 -1.00	2.83 -1.09	3.53 -0.81	3.27 -0.58	2.35 -0.64	3.25 -0.76	27
28	2.54 -0.78	3.11 -0.38	6.36 0.26	3.61 -0.30	3.53 0.31	1.80 -1.00	2.67 -0.96	3.34 -0.80	3.38 -0.91	3.09 -0.51	2.43 -0.64	3.64 -0.77	28
29	2.61 -0.70	3.49 -0.04	6.72 -1.52	3.82 -0.53	3.22 0.17	1.93 -0.94	2.80 -1.03	3.33 -0.89	3.03 -1.10	2.63 -0.77	2.95 -0.75	3.73 -0.33	29
30	2.27 -0.80	4.10 -0.04	6.87 -1.50	3.81 0.21	2.26 0.21	2.26 -0.64	3.05 -0.81	3.13 -1.27	2.53 -1.31	2.66 -0.44	3.65 -0.59	2.12 -0.60	30
31	2.59 -0.57		6.40 -1.57	3.32 -0.15		2.77 -0.38		3.05 -1.16		2.72 -0.37	3.65 -0.08		31
MAXIMUM	3.30	4.10	6.87	6.70	3.86	3.30	5.82	3.38	3.86	4.01	3.65	3.84	MAXIMUM
MINIMUM	-1.09	-1.03	-3.01	-3.46	-0.62	-1.29	-3.58	-1.55	-1.31	-0.97	-1.07	-1.25	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.O.B.A.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 53 28	121 29 20	NW 36 IN 4E		7.2	12-25-1965		JULY 1939-DATE	1939	1943	-4.10	USCGS
								1943		0.00	USCGS
								1943		3.15	USED
									1964	-0.59	USCGS
										0.00	USCGS

Station located on Victoria Island, below State Highway 4 bridge, 10 miles northwest of Tracy. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

TABLE 8-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

MIDDLE RIVER AT BACON ISLAND

in feet

STATION NO	WATER YEAR
895460	1968

DATE	OCT	NOV	DEC	JAN.	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1						6.31 3.16	6.27 2.82	6.11 2.02	5.98 1.93	5.62 2.19	6.19 2.83	5.23 2.68	1
2						6.35 3.51	6.11 2.43	6.04 1.93	5.60 1.99	5.55 2.33	6.49 2.52	6.85 2.51	2
3						6.19 3.21	5.71 1.95	6.27 NR	5.20 1.85	5.79 2.29	4.77 2.41	6.73 2.51	3
4						5.91 2.97	5.54 1.88	NR NR	5.23 2.24	4.48 2.50	6.74 2.33	6.92 2.67	4
5						6.23 3.10	5.63 2.00	NR NR	5.69 2.31	6.02 2.37	6.88 2.35	6.62 2.70	5
6						6.09 2.96	5.08 1.58	NR 1.63	5.70 2.37	6.67 2.75	6.87 2.31	6.42 2.80	6
7						5.98 2.76	5.06 1.56	5.03 1.92	5.86 2.23	7.16 2.75	6.76 2.45	6.13 2.71	7
8						6.35 2.74	5.25 1.72	5.43 2.63	6.20 2.17	7.28 2.70	6.77 2.69	5.84 2.84	8
9						5.92 2.25	5.24 1.79	5.92 2.80	6.58 2.18	7.28 2.52	6.56 2.54	5.78 2.88	9
10						5.72 1.94	5.32 2.11	5.90 2.44	6.74 2.12	7.06 2.42	6.28 2.70	5.85 2.79	10
11						5.83 2.03	5.39 2.45	6.11 2.53	6.90 2.20	6.80 2.39	5.92 2.68	5.88 2.71	11
12						6.45 2.76	5.78 2.64	6.32 2.07	6.74 2.04	6.53 2.36	5.83 2.82	6.08 2.56	12
13						6.30 2.70	6.02 2.39	6.77 2.25	6.45 1.76	6.30 2.43	5.69 2.59	6.36 2.63	13
14						6.00 3.08	6.03 2.10	6.59 1.90	6.21 1.85	5.92 2.29	5.91 2.77	6.16 2.49	14
15						5.65 2.61	6.24 2.28	6.47 1.81	5.87 1.79	5.56 2.22	6.05 2.60	5.91 2.20	15
16						5.96 2.63	6.65 2.09	6.42 1.97	5.45 1.98	5.66 2.37	6.55 2.49	4.89 2.11	16
17						6.34 2.83	6.17 1.72	6.13 1.93	5.17 2.17	5.70 2.47	6.36 2.49	5.78 1.94	17
18						6.13 2.49	5.93 1.67	5.64 1.90	5.65 2.53	4.20 2.35	5.14 2.45	6.16 2.53	18
19						6.06 2.12	5.78 1.67	5.45 1.90	5.85 2.96	6.02 2.34	6.42 2.30	6.31 2.63	19
20						6.01 1.93	5.52 1.69	5.29 2.04	6.03 2.53	6.39 2.41	6.51 2.31	6.23 2.55	20
21						5.89 1.74	5.09 1.59	5.48 2.33	5.95 2.20	6.52 2.43	6.43 2.25	5.64 2.32	21
22						5.73 1.85	4.76 1.54	5.57 2.50	6.07 2.09	6.61 2.43	6.15 2.13	5.43 2.30	22
23						5.84 1.99	4.70 1.93	5.73 2.36	6.50 2.27	6.67 2.44	6.06 2.15	5.44 2.38	23
24						5.51 1.94	4.99 2.05	5.85 2.12	6.70 2.32	6.65 2.33	5.98 2.31	5.69 2.31	24
25						5.78 2.30	5.12 2.02	5.77 1.97	6.82 2.63	6.57 2.33	5.89 2.31	6.06 2.27	25
26						5.41 2.09	5.46 2.12	5.91 1.77	7.06 2.68	6.57 2.42	5.51 2.36	6.33 2.39	26
27					6.94 4.14	5.18 2.12	5.66 2.11	6.14 1.94	6.73 2.32	6.53 2.54	5.69 2.53	6.48 2.44	27
28					6.61 3.36	5.04 2.22	5.92 2.16	6.46 2.20	6.59 2.25	6.33 2.63	5.78 2.59	6.89 2.45	28
29					6.27 3.20	5.19 2.27	6.02 2.07	6.45 2.12	6.15 1.99	5.88 2.38	6.04 2.46	6.93 2.86	29
30						5.52 2.42	6.29 2.29	6.37 1.91	5.74 1.81	5.92 2.71	6.76 2.42	5.29 2.54	30
31						6.02 2.74		6.26 1.97		5.98 2.79	6.88 2.94		31
MAXIMUM					NR	6.45	6.65	NR	7.06	7.28	6.88	6.93	MAXIMUM
MINIMUM					NR	1.74	1.54	NR	1.76	2.19	2.13	1.94	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 00 07	121 31 22	SW 22 2N 4E		10.2	12-26-55		OCT 48-SEPT 66 NOV 68-DATE	1948	1964	-2.94 -3.65 -3.00	USCGS USCGS USCGS

Station located at northeast corner of Bacon Island at junction of Middle River and Connection Slough. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge. Station was discontinued October 1, 1966, and reactivated February 26, 1968.



TABLE B-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

TOM PAINE SLOUGH ABOVE MOUTH

in feet

STATION NO	WATER YEAR
B95420	1968

DATE	OCT	NOV	DEC	JAN.	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.47 3.03					6.66 3.53	6.29 3.08	5.80 2.02	5.83 2.01	5.30 2.11	5.53 2.65	6.67 2.65	
2	6.25 3.00					6.63 3.80	6.25 2.84	5.78 1.94	5.52 2.06	5.03 2.22	5.70 2.46	6.55 2.52	2
3	6.30 3.11					6.35 3.37	5.84 2.40	5.64 2.34	5.10 1.88	5.06 2.11	6.05 2.38	6.42 2.48	3
4	6.24 3.09					6.19 3.25	5.67 2.25	5.75 2.07	4.83 2.17	5.25 2.29	6.34 2.37	6.92 3.12	4
5						6.50 3.28	5.77 2.29	5.25 1.94	5.21 2.22	5.48 2.24	6.52 2.41	6.60 2.97	5
6						6.34 3.16	5.28 1.91	NR NR	5.21 2.29	6.16 2.64	6.47 2.37	6.39 3.03	6
7						6.21 3.00	5.07 1.77	NR NR	5.36 2.31	6.74 2.69	6.35 2.51	5.71 2.87	7
8						6.54 2.96	5.31 1.92	5.06 2.62	5.75 2.20	6.83 2.67	6.40 2.73	5.49 3.00	8
9						6.17 4.52	5.19 2.89	5.45 2.70	6.15 2.29	6.87 2.47	6.20 2.60	5.37 2.75	9
10						5.81 2.60	5.20 1.96	5.42 2.48	6.35 2.23	6.63 2.43	5.90 2.68	5.71 2.85	10
11						5.97 2.35	4.92 2.17	5.44 2.50	6.50 2.34	6.32 2.35	5.62 2.69	5.42 2.67	11
12						6.43 2.47	5.30 2.45	5.77 2.19	6.32 2.17	6.07 2.38	5.48 2.77	6.00 2.57	12
13						6.39 3.05	5.54 2.43	6.28 2.41	6.03 1.95	5.86 2.38	4.96 2.50	6.28 2.69	13
14						6.08 3.01	5.51 2.13	6.24 2.16	5.83 2.00	5.54 2.31	5.40 2.66	4.83 2.43	14
15						5.74 2.92	5.75 2.35	6.10 2.04	5.56 1.91	5.03 2.15	5.63 2.55	5.96 2.18	15
16						6.06 2.90	6.20 NR	6.08 2.18	5.23 2.03	5.04 2.20	5.75 2.37	5.76 3.12	16
17						6.26 3.13	NR NR	5.84 2.10	5.08 2.14	5.16 2.27	6.32 2.48	5.57 2.78	17
18						6.29 3.08	NR NR	5.41 1.99	5.25 2.45	5.20 2.17	6.15 2.44	5.84 2.54	18
19						6.23 2.69	NR NR	5.13 1.94	5.44 2.80	5.56 2.19	6.27 2.39	5.95 2.67	19
20						6.21 2.60	NR NR	4.96 1.95	5.73 2.44	6.01 2.33	6.20 2.34	5.87 2.66	20
21						6.16 2.45	NR NR	5.03 2.19	5.59 2.11	6.17 2.35	6.05 2.40	5.28 2.41	21
22						5.99 2.51	NR NR	5.10 2.45	5.70 2.07	6.27 2.35	5.80 2.29	5.03 2.23	22
23						6.11 3.87	NR NR	5.30 2.27	6.16 2.29	6.35 2.40	5.68 2.19	5.13 2.26	23
24						5.59 2.60	NR NR	5.36 2.05	6.37 2.31	6.29 2.28	5.55 2.32	5.35 2.11	24
25						5.98 2.45	NR NR	5.31 1.99	6.46 2.57	6.19 2.26	5.50 2.37	5.72 2.22	25
26						5.62 2.75	NR NR	5.46 1.82	6.72 2.68	6.15 2.37	5.19 2.32	5.99 2.37	26
27					7.23 3.57	5.36 2.49	5.20 2.13	5.84 2.13	6.43 2.30	6.11 2.50	5.28 2.50	6.20 2.47	27
28					6.94 3.83	5.04 2.48	5.57 2.18	6.36 2.38	6.23 2.21	5.95 2.58	5.33 2.45	5.14 2.49	28
29					6.63 3.68	5.18 2.46	5.73 2.12	6.33 2.32	5.93 2.08	5.52 2.33	6.05 2.41	6.61 2.91	29
30					5.51 2.65	5.99 2.30	6.02 1.90	5.39 1.81	5.39 1.81	5.23 2.60	4.92 2.67	6.72 2.64	30
31					5.90 2.92			5.99 2.00		5.50 2.66	6.74 3.12		31
MAXIMUM	NR				NR	6.66	NR	6.36	6.72	6.87	6.74	6.92	MAXIMUM
MINIMUM	NR				NR	2.35	NR	1.82	1.81	2.11	2.19	2.11	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD			DATUM OF GAGE		
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 47 27	121 25 03	NE 4 2S 5E		14.6	12-29-1955		JUNE 51-OCT 53 <sup>11</sup>	1955		-4.22	USCGS
							APR 54-SEP 66		1964	-4.43	USCGS
							MAR 68-DATE			-3.00	USCGS

Station located 0.1 mile east of mouth of Sugar Cut, 2.2 miles above mouth, 2.6 miles north of Tracy. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge. Station was discontinued September 30, 1966, and reactivated February 26, 1968.

<sup>11</sup> - Irrigation season only.

TABLE B-12 (CONT)  
DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER NEAR TRACY ROAD BRIDGE

in feet

STATION NO	WATER YEAR
R95380	1968

DATE	OCT	NOV	DEC	JAN	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.45 2.79	6.47 2.83	7.17 3.42	6.97 2.81	6.07 2.79	6.62 3.29	6.30 2.86	5.83 1.81	5.85 1.79	5.31 1.90	5.54 2.50	6.65 2.46	1
2	6.23 2.77	6.89 2.97	7.13 2.91	6.72 2.84	5.89 2.62	6.58 3.58	6.22 2.59	5.81 1.76	5.51 1.86	5.02 2.03	5.72 2.25	6.53 2.29	2
3	6.28 2.92	7.22 3.01	7.66 2.93	6.21 2.77	5.93 2.71	6.30 3.15	5.83 2.07	6.10 2.15	5.10 NR	5.05 1.95	6.08 2.19	6.41 2.25	3
4	6.23 2.86	7.45 3.24	7.40 3.24	5.65 2.52	5.71 2.50	6.16 3.05	5.64 1.95	5.76 1.89	4.83 2.02	5.27 2.13	6.36 2.18	6.95 2.96	4
5	6.37 2.83	7.17 3.20	6.82 3.39	5.54 2.44	5.89 2.77	6.45 3.09	5.76 2.00	5.25 1.74	5.24 2.04	5.52 2.04	6.54 2.22	6.63 2.80	5
6	6.44 2.70	6.72 2.88	6.23 2.78	5.50 2.38	6.20 2.76	6.28 2.94	5.26 NR	4.82 NR	5.24 NR	6.21 2.45	6.51 2.15	6.41 2.87	6
7	6.51 2.52	6.74 2.58	6.27 2.64	5.59 2.28	6.56 2.76	6.18 2.77	5.03 NR	4.66 NR	5.38 2.11	6.76 2.50	6.39 2.29	5.72 2.73	7
8	6.54 2.50	6.10 2.78	5.93 2.59	5.70 2.47	6.70 4.41	6.51 2.71	5.30 NR	5.10 2.44	5.78 2.01	6.87 2.46	6.43 2.54	5.49 2.85	8
9	6.51 2.48	5.87 2.52	5.71 2.43	6.13 2.97	6.78 2.72	6.12 4.39	5.20 2.73	5.47 2.56	6.19 2.09	6.87 2.27	6.22 2.41	5.37 2.57	9
10	5.62 2.47	5.76 2.46	5.82 2.50	7.60 2.70	6.91 2.68	5.74 2.25	5.20 NR	5.43 2.27	6.39 2.02	6.66 2.23	5.94 2.50	5.73 2.69	10
11	6.11 2.17	5.43 2.23	6.12 2.88	6.62 3.27	6.80 2.72	5.93 1.97	5.19 1.93	5.47 2.31	6.52 2.11	6.37 2.15	5.63 2.49	5.42 2.48	11
12	5.99 2.27	5.74 2.56	6.40 2.89	6.67 2.69	7.00 2.72	6.40 2.14	5.32 2.24	5.80 1.96	6.36 1.96	6.10 2.15	5.48 2.58	6.02 2.41	12
13	5.69 2.29	6.01 2.86	6.06 2.81	6.89 2.72	7.01 2.88	6.34 2.77	5.57 2.27	6.32 2.17	6.06 1.75	5.89 2.17	4.95 2.31	6.30 2.53	13
14	5.62 2.54	6.43 2.95	5.92 2.31	6.94 2.77	6.62 2.93	6.03 2.71	5.54 1.90	6.26 1.91	5.87 1.78	5.54 2.08	5.41 2.49	6.79 2.26	14
15	5.53 2.44	6.38 2.95	7.00 2.30	7.31 2.90	6.36 2.79	5.70 2.62	5.78 2.14	6.12 1.82	5.60 1.75	5.05 1.97	5.65 2.40	5.95 1.97	15
16	5.48 2.50	6.54 2.84	6.98 2.76	7.11 3.09	6.11 2.82	6.00 2.61	6.23 1.97	6.10 1.95	5.25 1.85	5.07 2.03	5.78 2.22	5.76 1.96	16
17	5.75 2.63	6.76 2.81	6.92 2.75	6.60 2.99	6.33 2.86	6.19 2.83	5.99 1.79	5.87 1.87	5.09 1.96	5.19 2.11	6.34 2.31	5.56 1.76	17
18	5.99 2.63	6.82 2.98	7.49 2.92	6.23 2.72	6.24 3.10	6.22 2.79	5.68 NR	5.40 1.75	5.26 2.27	5.24 1.99	6.15 2.25	5.86 2.39	18
19	6.10 2.72	7.05 2.89	7.20 3.14	5.81 2.52	6.32 2.90	6.17 2.37	5.52 NR	5.12 1.75	5.47 2.66	5.59 2.02	6.25 2.18	5.95 2.50	19
20	6.26 2.62	6.68 2.87	6.62 2.91	5.46 2.38	6.67 2.95	6.16 2.25	5.36 NR	4.96 1.75	5.75 2.26	6.03 2.16	6.20 2.15	5.89 2.50	20
21	6.58 2.82	7.13 2.70	5.75 2.52	5.79 2.47	7.12 3.10	6.11 2.08	4.98 NR	5.06 2.00	5.64 1.92	6.19 2.15	6.07 2.18	5.28 2.21	21
22	6.42 2.74	6.60 2.82	5.17 1.97	5.88 2.49	6.91 2.89	5.95 2.12	4.49 NR	5.14 2.28	5.75 1.86	6.28 2.15	5.81 2.09	5.03 2.05	22
23	6.29 2.61	6.17 2.66	5.15 1.85	6.13 2.43	7.18 4.43	6.05 3.65	4.25 NR	5.33 2.04	6.20 2.10	6.37 2.17	5.70 1.96	5.15 2.11	23
24	6.19 2.37	5.60 2.49	5.46 2.12	6.46 2.52	7.17 3.16	5.53 2.23	4.41 1.92	5.37 1.81	6.41 2.11	6.30 2.07	5.56 2.15	5.38 2.03	24
25	6.03 2.30	5.75 2.38	5.84 2.33	6.99 3.77	6.98 3.12	5.92 2.07	4.59 1.75	5.33 1.79	6.48 2.40	6.22 2.03	5.50 2.16	5.75 2.01	25
26	5.62 2.32	5.88 2.57	6.36 2.78	7.43 2.75	7.05 3.10	5.57 2.43	4.95 1.98	5.47 NR	6.73 2.49	6.18 2.16	5.19 2.13	5.99 2.13	26
27	5.86 2.30	6.16 2.76	6.52 2.80	7.28 3.05	7.18 3.28	5.32 2.15	5.25 1.94	5.88 1.95	6.46 2.09	6.14 2.32	5.27 2.28	6.19 2.24	27
28	5.93 2.62	6.53 3.14	7.01 2.68	6.82 2.97	6.89 3.58	5.00 2.16	5.60 1.98	6.39 2.20	6.25 1.97	5.98 2.38	5.34 2.24	6.61 2.28	28
29	5.99 2.77	6.91 3.03	7.20 2.88	7.03 2.78	6.59 3.45	5.15 2.16	5.76 1.92	6.38 2.13	5.94 1.85	5.52 2.11	6.07 2.19	5.63 2.72	29
30	5.67 2.56	7.51 3.38	7.29 2.94	7.14 3.36		5.49 2.44	5.99 2.07	6.03 1.75	5.42 NR	5.25 2.43	4.88 2.49	6.71 2.46	30
31	5.99 2.80		7.03 2.94	6.66 3.13			5.91 2.65			5.51 2.48	6.77 2.97		31
MAXIMUM	6.58	7.51	7.66	7.60	7.18	6.62	6.30	6.39	6.73	6.87	6.77	6.95	MAXIMUM
MINIMUM	2.17	2.23	1.85	2.28	2.50	1.97	NR	NR	NR	1.90	1.96	1.76	MINIMUM

E - Estimated  
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.S.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 48 30	121 26 06	SW 32 1S 5R		13.2	12-29-1955		JUN 51-DEC 54 8 FEB 55-DATE	1958	1964	-4.44 -4.47 -3.00	USCGS USCGS USCGS

Station located 30 feet above Tracy Road bridge, 3.5 miles northwest of Tracy. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

8 - Irrigation season only.



TABLE B-12 (CONT)  
DAILY MAXIMUM AND MINIMUM TIDES

STATION NO	DATE YEAR
B95340	1968

OLD RIVER AT CLIFTON COURT FERRY

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.17 2.46	6.14 2.45	6.84 3.01	6.69 2.40	5.77 2.45	6.32 2.99	6.04 2.61	5.68 1.66	5.72 1.64	5.18 1.82	5.39 2.45	6.45 2.26	
2	5.94 2.48	6.56 2.59	6.80 2.44	6.42 2.45	5.60 2.30	6.27 3.13	5.92 2.25	5.67 1.59	5.38 1.69	4.88 1.89	5.58 2.16	6.32 2.08	2
3	5.99 2.62	6.89 2.63	7.35 2.47	5.92 2.41	5.62 2.45	6.01 2.94	5.55 1.69	5.94 2.02	4.95 1.55	4.92 1.92	5.93 2.07	6.23 2.08	3
4	5.92 2.60	7.13 2.90	7.11 2.82	5.35 2.15	5.42 2.28	5.88 2.86	5.39 1.59	5.59 1.75	4.68 1.81	5.16 2.13	6.21 2.04	6.79 2.82	4
5	6.05 2.49	6.87 2.84	6.53 3.04	5.26 2.07	5.63 2.62	6.17 2.90	5.52 1.69	5.07 1.54	5.11 1.92	5.40 2.01	6.37 2.06	6.47 2.66	5
6	6.13 2.39	6.43 2.52	5.96 2.37	5.19 2.01	5.97 2.61	6.03 2.74	5.03 1.28	4.64 1.23	5.10 1.96	6.09 2.37	6.35 2.01	6.27 2.77	6
7	6.22 2.18	6.46 2.22	5.94 2.24	5.28 1.96	6.33 2.56	6.01 2.56	4.81 1.26	4.48 1.59	5.26 2.00	6.64 2.42	6.26 2.16	5.54 2.96	7
8	6.26 2.16	5.83 2.44	5.61 2.19	5.42 2.17	6.48 2.50	6.31 2.46	5.06 1.32	4.91 2.31	5.67 1.88	6.73 2.38	6.31 2.40	5.26 2.72	8
9	6.23 2.14	5.54 2.18	5.40 2.05	5.87 2.40	6.55 2.42	5.90 1.89	4.96 1.37	5.30 2.34	6.07 1.90	6.77 2.17	6.10 2.25	5.13 2.43	9
10	5.86 2.14	5.44 2.13	5.51 2.20	7.34 4.74	6.66 4.38	5.49 1.57	4.96 1.69	5.26 2.08	6.24 1.78	6.53 2.13	5.81 2.36	5.55 2.57	10
11	5.14 1.86	5.11 1.87	5.81 2.52	6.34 2.93	6.53 2.45	5.66 3.28	4.99 2.04	5.29 2.14	6.37 1.83	6.25 2.06	5.48 2.34	5.24 2.26	11
12	5.72 1.95	5.42 2.22	6.08 3.58	6.38 2.29	6.73 2.41	6.06 1.77	5.12 3.58	5.64 2.35	6.23 1.76	5.96 2.00	5.30 2.45	5.84 2.30	12
13	5.43 2.01	5.69 2.62	5.76 2.39	6.60 2.33	6.73 2.58	6.03 2.45	5.38 2.07	6.17 1.94	5.92 1.52	5.72 1.95	5.28 2.16	6.12 2.34	13
14	5.35 2.25	6.12 3.27	5.55 1.86	6.66 2.38	6.34 2.67	5.72 2.35	5.36 1.69	6.10 1.67	5.73 1.59	5.36 1.86	5.49 2.44	5.78 2.08	14
15	5.25 2.15	6.07 2.63	6.73 1.86	7.02 2.55	6.08 2.51	5.39 2.25	5.59 1.79	5.94 1.57	5.46 1.54	4.80 1.78	4.29 2.28	4.46 1.80	15
16	5.19 2.25	6.23 2.51	6.67 2.28	6.82 2.76	5.86 2.55	5.70 2.27	6.08 1.72	5.93 1.72	5.13 1.72	4.93 1.94	5.62 2.06	5.55 1.87	16
17	5.46 2.37	6.46 2.43	6.66 2.25	6.31 2.65	6.05 2.73	5.88 2.50	5.79 1.53	5.68 1.62	4.95 1.84	5.07 2.12	6.20 2.22	5.36 1.68	17
18	5.71 2.35	6.51 2.66	7.20 2.55	5.93 2.39	5.97 2.90	5.87 2.41	5.54 1.32	5.20 1.50	5.15 2.19	5.13 1.97	6.02 2.06	5.67 2.29	18
19	5.82 2.46	6.76 2.50	6.92 2.74	5.32 2.17	6.05 2.74	5.86 1.96	5.37 1.31	4.90 1.49	5.34 2.64	5.47 2.00	6.11 1.99	5.77 2.35	19
20	5.98 2.34	6.41 2.52	6.33 2.49	5.15 2.05	6.41 2.78	5.88 1.83	5.20 1.36	4.76 1.60	5.62 2.18	5.90 2.09	6.03 2.03	5.69 2.37	20
21	6.29 2.47	6.85 2.33	5.47 2.06	5.48 2.18	6.85 2.92	5.86 1.63	4.80 1.32	4.87 1.90	5.51 1.88	6.06 2.09	5.91 2.00	5.05 2.04	21
22	6.15 2.42	6.33 2.63	4.87 1.51	5.58 2.22	6.65 2.63	5.69 1.73	4.30 1.32	4.98 2.22	5.63 1.79	6.15 2.09	5.61 1.91	4.79 1.89	22
23	6.03 2.27	5.90 2.27	4.83 1.41	5.85 2.17	6.90 2.81	5.75 1.77	4.06 1.40	5.17 1.88	6.04 1.96	6.22 2.05	5.50 1.80	4.93 1.96	23
24	5.95 2.04	5.41 2.11	5.14 1.73	6.18 2.20	6.88 4.29	5.24 1.63	4.24 1.59	5.21 1.67	6.28 2.03	6.16 1.99	5.38 1.99	5.18 1.88	24
25	5.79 1.97	5.44 2.02	5.52 2.00	6.71 2.41	6.67 2.70	5.60 2.91	4.42 1.70	5.15 1.67	6.36 2.32	6.10 1.99	5.31 1.99	5.57 1.84	25
26	5.60 1.98	5.56 2.21	6.04 2.40	7.19 4.26	6.74 2.72	5.26 2.02	4.78 1.84	5.31 1.38	6.63 2.38	6.08 2.08	4.97 1.93	5.81 1.96	26
27	5.26 1.95	5.83 2.42	6.22 2.30	6.99 2.73	6.86 2.91	5.03 1.80	5.11 1.84	5.70 1.79	6.32 1.99	6.02 2.22	5.04 2.14	6.00 2.05	27
28	5.60 2.21	6.21 2.65	6.69 3.40	6.60 2.66	6.59 3.26	4.72 1.82	5.48 1.87	6.27 2.03	6.11 1.80	5.83 2.29	5.13 2.16	6.43 2.06	28
29	5.67 2.39	6.58 3.01	6.90 2.50	6.85 2.51	6.29 3.18	4.84 1.88	5.64 1.92	6.25 1.72	5.81 1.72	5.40 2.05	5.91 2.04	5.41 2.50	29
30	5.34 2.23	7.18 3.00	6.98 2.57	6.87 3.13		5.20 2.22	5.84 1.93	5.88 1.51	5.30 1.48	5.38 2.37	6.60 2.36	6.54 2.30	30
31	5.66 2.48		6.71 2.54	6.36 2.81		5.63 2.37		5.85 1.68		4.77 2.41	5.22 2.86		31
MAXIMUM	6.29	7.18	7.35	7.34	6.90	6.32	6.08	6.27	6.63	6.77	6.60	6.79	MAXIMUM
MINIMUM	1.86	1.87	1.41	1.96	2.28	1.57	1.26	1.23	1.48	1.78	1.60	1.68	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 49 28	121 33 05	SE 20 1S 4E		9.7	12-26-1955		DEC 1948-DATE	1948	1952	-2.25	USCGS
								1952		-2.12	USCGS
									1964	-2.56	USCGS
									1964	-3.00	USCGS

Station located approximately 2,000 feet below junction with Grant line Canal. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

TABLE 8-12 (CONT)  
DAILY MAXIMUM AND MINIMUM TIDES

GRANT LINE CANAL AT TRACY ROAD BRIDGE

in feet

STATION NO	WATER YEAR
895300	1968

DATE	OCT	NOV	DEC	JAN	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1							6.23 2.96	5.78 1.95	5.80 1.96	5.25 2.07	5.47 2.64	6.59 2.57	1
2						6.51 3.67	6.14 2.68	5.76 1.86	5.47 2.00	4.97 2.16	5.66 2.39	6.48 2.42	2
3						6.23 3.26	5.76 2.21	6.07 2.26	5.04 1.83	4.99 2.10	6.01 2.32	6.35 2.40	3
4						6.10 3.14	5.60 2.06	5.74 2.00	4.77 2.12	5.22 2.28	6.30 2.30	6.88 3.07	4
5						6.37 3.19	5.72 2.14	5.22 1.87	5.18 2.18	5.26 2.20	6.48 2.34	6.55 2.90	5
6						6.23 3.05	5.21 1.74	4.76 1.53	5.17 2.26	6.13 2.58	6.44 2.30	6.34 2.99	6
7						6.14 2.87	5.00 1.61	4.61 1.82	5.32 2.24	6.72 2.65	6.32 2.43	5.65 2.84	7
8						6.47 2.81	5.24 1.78	5.03 2.54	5.72 2.17	6.79 2.61	6.37 2.67	5.41 2.95	8
9						6.09 2.40	5.13 1.83	5.40 2.64	6.13 2.23	6.84 2.42	6.16 2.54	5.29 2.71	9
10						5.71 3.83	5.12 2.57	5.35 2.39	6.32 2.16	6.60 2.38	5.86 2.64	5.64 2.80	10
11						5.87 2.14	5.11 2.08	5.39 2.43	6.46 2.26	6.31 2.31	5.57 2.63	5.36 2.59	11
12						6.33 2.28	5.27 2.39	5.73 2.08	6.30 2.11	6.04 2.31	5.42 2.70	5.95 2.53	12
13						6.27 2.89	5.50 2.38	6.24 2.28	6.00 1.88	5.81 2.31	5.35 2.46	6.23 2.62	13
14						5.95 2.83	5.47 2.05	6.19 2.04	5.81 1.93	5.47 2.23	4.47 2.63	4.76 2.37	14
15						5.61 2.74	5.72 2.23	6.06 1.95	5.55 1.85	4.97 2.07	5.58 2.50	5.91 1.86	15
16						5.93 2.73	NR NR	6.05 2.08	5.19 2.00	6.99 2.16	5.72 2.33	5.67 2.11	16
17						6.13 2.95	NR NR	5.82 2.01	5.02 2.10	5.13 2.26	6.30 2.43	5.56 1.93	17
18						6.13 2.90	NR NR	5.35 1.89	5.21 2.41	5.19 2.15	6.11 2.38	5.81 2.49	18
19						6.09 2.50	NR NR	5.06 1.84	5.40 2.79	5.54 2.18	6.22 2.28	5.90 2.61	19
20						6.09 2.38	NR NR	4.88 1.90	5.69 2.41	5.98 2.29	6.16 2.28	5.84 2.61	20
21						6.06 2.22	NR NR	4.99 2.16	5.56 2.07	6.15 2.29	6.02 2.30	5.23 2.33	21
22						5.89 2.29	NR NR	5.07 2.41	5.69 2.01	6.23 2.31	5.74 2.21	4.95 2.19	22
23						5.99 2.36	NR NR	5.25 2.21	6.13 2.24	6.30 2.35	5.65 2.12	5.05 2.25	23
24						5.47 3.29	NR NR	5.31 2.00	6.35 2.27	6.25 2.23	5.49 2.27	5.29 2.18	24
25						5.84 2.23	NR NR	5.25 1.96	6.44 2.53	6.16 2.22	5.44 2.30	5.67 2.16	25
26						5.49 2.55	NR NR	5.41 1.73	6.70 2.62	6.12 2.32	5.11 2.25	5.96 2.29	26
27						5.24 2.30	NR NR	5.79 2.07	6.40 2.25	6.08 2.46	5.18 2.42	6.14 2.39	27
28						4.92 2.31	NR NR	6.33 2.34	6.20 2.12	5.91 2.52	5.27 2.40	6.57 2.42	28
29						5.03 2.31	NR NR	6.31 2.26	5.88 2.01	5.46 2.28	5.99 2.34	5.59 2.85	29
30						5.38 2.56	5.94 2.23	5.97 1.86	5.37 1.76	5.19 2.56	4.82 2.61	6.68 2.59	30
31						5.83 2.78		5.95 1.96		5.44 2.62	6.69 3.09		31
MAXIMUM						NR	NR	6.33	6.70	6.84	6.69	6.88	MAXIMUM
MINIMUM						NR	NR	1.53	1.76	2.07	2.12	1.86	MINIMUM

E - Estimated  
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 49 13	121 26 55	NE 29 1S 5E		14.7	12-11-1950		OCT 40-SEPT 66 MAR 68-DATE	1940	1952	-3.66	USCGS
								1952	1953	-4.13	USCGS
								1953	1960	-2.13	USCGS
								1960		-3.00	USCGS
									1964	-3.56	USCGS
										-3.00	USCGS

Station located at Tracy Road bridge crossing, 5 miles north of Tracy. Station located to tidal zone. Maximum gage height listed does not indicate maximum discharge. Station was discontinued October 4, 1966, and reactivated March 1, 1968.



TABLE 5-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

ITALIAN SLOUGH NEAR BYRON

STATION NO.	WATER YEAR
B95280	1968

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.22 -0.52	3.11 -0.57	3.82 -0.01	3.68 -0.71	2.78 -0.54	3.28 0.03	3.08 -0.36	2.83 -1.31	2.86 -1.32	2.39 -1.13	1.46 -0.50	3.45 -0.89	1
2	3.01 -0.52	3.54 -0.42	3.79 -0.56	3.39 -0.65	2.60 -0.66	3.25 0.35	2.94 -0.95	2.82 -1.38	2.52 -1.30	2.06 -1.08	2.74 -0.82	3.34 -1.06	2
3	3.04 -0.33	3.88 -0.36	4.33 -0.59	2.90 -0.74	2.64 -0.51	3.04 -0.02	2.50 -1.51	3.07 -0.96	2.06 -1.38	2.07 -1.04	3.07 -0.91	3.25 -1.06	3
4	2.96 -0.36	4.11 -0.12	4.09 -0.33	2.35 -0.92	2.47 -0.64	2.83 -0.16	2.29 -1.68	2.68 -1.23	1.86 -1.21	2.26 -0.83	3.35 -0.91	3.89 -0.19	4
5	3.08 -0.46	3.85 -0.15	3.51 -0.02	2.27 -0.99	2.64 -0.37	3.16 -0.07	2.43 -1.48	2.17 -1.45	2.32 -1.06	2.57 -0.94	3.49 -0.90	3.56 -0.35	5
6	3.16 -0.63	3.39 -0.46	2.95 -0.69	2.16 -1.06	2.96 -0.37	3.01 -0.22	1.92 -1.88	1.79 -1.82	2.32 -1.03	3.29 -0.56	3.36 -0.94	3.36 -0.25	6
7	3.23 -0.86	3.40 -0.75	2.92 -0.81	2.26 -1.09	3.31 -0.38	2.91 -0.56	1.76 -1.97	1.53 -1.34	2.48 -0.98	3.93 -0.52	3.47 -0.79	2.55 -0.15	7
8	3.33 -0.82	2.76 -0.49	2.60 -0.87	2.40 -0.87	3.46 -0.44	3.21 -0.65	1.92 -1.73	1.96 -0.40	2.85 -1.07	3.92 -0.58	3.52 -0.57	2.27 -0.37	8
9	3.25 -0.84	2.51 -0.80	2.40 -0.98	2.85 -0.67	3.54 -0.54	2.91 -1.17	1.92 -1.70	2.40 -0.72	3.26 -1.06	3.98 -0.78	3.30 -0.68	2.18 -0.70	9
10	2.89 -0.84	2.42 -0.84	2.50 -0.85	4.29 -0.14	3.65 1.40	2.41 -1.52	1.92 -1.39	2.35 -0.90	3.42 -1.19	3.73 -0.85	3.02 -0.61	2.44 -0.63	10
11	2.14 -1.11	2.16 -1.02	2.80 -0.57	3.30 0.78	3.57 -0.53	2.55 0.23	1.93 -1.03	2.37 -0.84	3.52 -1.15	3.49 -0.95	2.68 -0.62	2.22 -0.87	11
12	2.72 -1.02	2.46 -0.66	3.03 -0.66	3.34 -0.78	3.73 -0.56	2.91 -1.32	2.16 -0.76	2.77 -1.40	3.38 -1.19	3.20 -0.97	2.52 -0.53	2.74 -0.91	12
13	2.49 -0.94	2.66 -0.31	2.77 0.19	3.55 -0.74	3.75 -0.40	2.94 -0.62	2.43 -1.03	3.40 -1.01	3.06 -1.42	2.95 -1.04	2.40 -0.80	3.03 -0.86	13
14	2.35 -0.72	3.07 -0.36	2.55 -1.21	3.60 -0.70	3.37 -0.33	2.63 -0.71	2.42 -1.39	3.25 -1.29	2.91 -1.38	2.57 -1.12	2.54 -0.58	2.73 -1.02	14
15	2.21 -0.82	3.04 -0.33	3.69 -1.19	3.98 -0.52	3.13 -0.46	2.30 -0.81	2.60 -1.39	2.94 -1.40	2.62 -1.43	2.01 -1.20	2.79 -0.73	1.37 -1.37	15
16	2.22 -0.70	3.20 -0.49	3.67 -0.74	3.80 -0.33	2.92 -0.40	2.62 -0.79	3.11 -1.40	3.02 -1.27	2.26 -1.26	2.08 -1.04	1.41 -0.95	2.50 -1.07	16
17	2.48 -0.59	3.43 -0.52	3.66 -0.80	3.28 -0.42	3.07 -0.24	2.86 -0.56	2.81 -1.61	2.80 -1.33	2.16 -1.13	2.23 -0.82	3.28 -0.73	2.32 -1.28	17
18	2.72 -0.61	3.49 -0.33	4.18 -0.57	2.90 -0.68	3.00 -0.04	2.77 -0.72	2.55 -1.84	2.15 -1.55	2.35 -0.77	2.29 -1.00	3.07 -0.90	2.67 -0.70	18
19	2.82 -0.51	3.75 -0.48	3.90 -0.34	2.51 -0.86	3.09 -0.21	2.76 -1.17	2.52 -1.68	1.86 -1.64	2.55 -0.31	2.60 -0.95	3.17 -1.02	2.75 -0.53	19
20	2.97 -0.64	3.37 -0.48	3.30 -0.61	2.15 -0.96	3.44 -0.19	2.87 -1.22	2.33 -1.63	1.71 -1.60	2.80 -0.73	3.02 -0.86	3.03 -0.42	2.70 -0.54	20
21	3.27 -0.51	3.83 -0.66	2.46 -1.01	2.47 -0.86	3.88 -0.05	2.84 -1.38	1.89 -1.66	1.84 -1.28	2.68 -1.06	3.19 -0.85	2.90 -0.50	2.03 -1.11	21
22	3.11 -0.59	3.28 -0.55	1.87 -1.56	2.63 -0.76	3.68 -0.37	2.68 -1.27	1.43 -1.93	1.96 -0.96	2.80 -1.16	3.32 -0.85	2.61 -1.09	1.78 -1.24	22
23	3.00 -0.73	2.86 -0.72	1.85 -1.67	2.87 -0.82	3.82 -0.12	2.73 -1.16	1.14 -1.80	2.12 -1.29	3.23 -0.99	3.44 -0.89	2.49 -1.18	1.88 -1.15	23
24	2.91 -0.95	2.37 -0.87	2.13 -1.35	3.21 -0.76	3.85 1.32	2.29 -1.36	1.22 -1.44	2.21 -1.55	3.44 -0.92	3.38 -0.94	2.39 -1.04	2.13 -1.24	24
25	2.72 -1.01	2.39 -0.99	2.52 -1.04	3.74 -0.58	3.68 -0.26	2.60 -0.09	1.53 -1.35	2.13 -1.31	3.58 -0.63	3.31 -0.96	2.31 -0.88	2.55 -1.29	25
26	2.54 -0.97	2.52 -0.80	3.04 -0.61	4.15 1.27	3.72 -0.26	2.27 -0.95	1.91 -1.19	2.31 -1.80	3.81 -0.59	3.31 -0.87	2.11 -1.20	2.84 -1.17	26
27	2.24 -1.01	2.80 -0.56	3.22 -0.76	4.00 -0.29	2.88 -0.08	2.10 -1.16	2.18 -0.78	2.83 -1.20	3.51 -0.96	3.25 -0.73	2.04 -0.99	3.00 -0.95	27
28	2.55 -0.79	3.18 0.36	3.68 0.37	3.61 -0.36	3.59 0.27	1.75 -1.13	2.63 -1.09	3.34 -0.99	3.30 -1.18	3.08 -0.67	2.14 -1.04	3.43 -1.04	28
29	2.62 -0.63	3.56 0.02	3.89 -0.58	3.89 -0.51	3.28 0.12	1.86 -1.08	2.78 -1.15	3.32 -1.11	3.01 -1.23	2.61 -0.87	3.00 -1.12	3.53 -0.54	29
30	2.33 -0.76	4.17 -0.01	3.98 -0.53	3.88 0.12	3.88 0.12	2.23 -0.77	3.00 -1.04	2.95 -1.59	2.51 -1.46	2.63 -0.61	3.68 -0.67	1.88 -0.37	30
31	2.65 -0.51		3.68 -0.58	3.37 -0.21		2.72 -0.62		2.89 -1.32		2.59 -0.56	2.25 -0.14		31
MAXIMUM	3.33	4.17	4.33	4.29	3.88	3.28	3.11	3.40	3.81	3.98	3.68	3.89	MAXIMUM
MINIMUM	-1.11	-1.02	-1.67	-1.09	-0.66	-1.52	-1.97	-1.82	-1.46	-1.20	-1.20	-1.37	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R M.D.B. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
37 50 17	121 35 48	NW 24 1S 3E		5.67	12-27-1964		MAY 1963-DATE	1964	1964	-10.77 0.00	USCGS USCGS

Station located north of Clifton Court Road, 3.1 miles southeast of Byron. Station located in tidal zone.

TABLE 8-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

ITALIAN BLOUGH NEAR MOUTH

in feet

STATION NO	WATER YEAR
B95278	1968

DATE	OCT	NOV	DEC	JAN	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1									2.92 -1.19	2.08 -1.29	1.53 -0.37	3.60 -0.65	1
2									2.57 -1.16	1.72 -1.37	2.85 -0.68	3.50 -0.82	2
3									2.12 -1.27	1.77 -1.31	3.18 -0.78	3.39 -0.82	3
4									1.93 -1.11	2.01 -1.11	3.43 -0.79	3.93 -0.07	4
5									2.36 -0.93	2.25 -1.21	3.59 -0.77	3.61 -0.22	5
6									2.39 -0.91	2.99 -0.84	3.49 -0.81	3.41 -0.12	6
7									2.54 -0.85	3.49 -0.80	3.52 -0.67	2.71 -0.22	7
8									2.91 -0.96	3.60 -0.84	3.57 -0.43	2.42 -0.17	8
9									3.32 -0.92	3.64 -0.64	3.36 -0.57	2.28 -0.47	9
10									3.49 -1.05	3.84 -0.69	3.06 -0.48	2.62 -0.41	10
11									3.61 -0.98	3.60 -0.72	2.77 -0.47	2.39 -0.64	11
12									3.46 -1.07	3.14 -0.87	2.61 -0.39	2.90 -0.69	12
13									3.15 -1.28	2.93 -0.97	2.46 -0.66	3.19 -0.64	13
14									2.97 -1.24	2.56 -1.04	2.65 -0.43	2.89 -0.79	14
15									2.69 -1.28	2.14 -1.10	2.86 -0.60	1.53 -1.16	15
16									2.33 -1.13	1.51 -0.94	1.53 -0.80	2.66 -0.97	16
17									2.22 -1.00	2.32 -0.73	3.39 -0.63	2.48 -1.12	17
18									2.41 -0.65	2.40 -0.84	3.18 -0.78	2.82 -0.56	18
19									2.61 -0.18	2.59 -0.88	3.28 -0.86	2.91 -0.49	19
20									2.87 -0.62	2.95 -0.88	3.19 -0.83	2.85 -0.47	20
21									2.75 -0.95	3.18 -0.84	3.06 -0.86	2.21 -0.89	21
22									2.70 -1.15	3.30 -0.80	2.77 -0.95	1.95 -1.02	22
23								2.29 -1.04	3.02 -1.08	3.44 -0.81	2.65 -1.01	2.04 -0.92	23
24								2.36 -1.28	3.30 -0.98	3.40 -0.86	2.54 -0.87	2.30 -1.02	24
25								2.29 -1.18	3.44 -0.71	3.38 -0.84	2.46 -0.78	2.70 -1.03	25
26								2.47 -1.29	3.68 -0.65	3.37 -0.74	2.19 -0.98	2.99 -0.94	26
27								2.78 -1.09	3.37 -1.01	3.31 -0.59	2.21 -0.76	3.16 -0.81	27
28								3.40 -0.84	3.19 -1.25	3.13 -0.54	2.30 -0.77	3.58 -0.88	28
29								3.39 -0.97	2.85 -1.31	2.67 -0.76	3.05 -0.89	3.70 -0.41	29
30								3.06 -1.28	2.36 -1.45	2.67 -0.47	3.73 -0.54	2.04 -0.56	30
31								3.00 -1.16		2.72 -0.64	2.31 -0.02		31
MAXIMUM								NR	3.68	3.84	3.73	3.93	MAXIMUM
MINIMUM								NR	-1.31	-1.37	-1.01	-1.16	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R M.O.B.&M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 51 38	121 34 48	NW 7 15 4E						1968		0.00	USCGS

Station located on Clifton Court Island, 6.1 miles southeast of Byron. Station located in tidal zone.



TABLE B-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER NEAR BYRON

in feet

STATION NO	WATER YEAR
B95270	1968

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.23 -0.42	3.05 -0.17	3.73 -0.01	3.60 -0.64	2.72 -0.41	3.23 0.12	3.08 -0.24	2.87 -1.10	2.84 -1.18	2.41 -0.95	2.88 -0.35	1.98 -0.54	1
2	3.01 -0.42	3.48 -0.45	3.70 -0.60	3.33 -0.57	2.55 -0.58	3.23 0.45	2.94 -0.61	2.84 -1.19	2.47 -1.15	2.12 -0.89	1.42 -0.64	3.55 -0.70	2
3	3.02 -0.27	3.81 -0.36	4.24 -0.57	2.84 -0.64	2.58 -0.42	3.03 0.09	2.55 -1.17	3.10 -0.78	2.07 -1.29	2.21 -0.89	3.20 -0.74	3.44 -0.71	3
4	2.96 -0.31	4.05 -0.12	4.02 -0.21	2.27 -0.89	2.42 -0.57	2.81 -0.07	2.41 -1.24	2.75 -1.06	1.94 -1.02	2.46 -0.51	3.46 -0.79	3.84 -0.12	4
5	3.05 -0.39	3.78 -0.17	3.42 0.04	2.17 -0.97	2.58 -0.32	3.16 0.02	2.52 -1.17	2.25 -1.25	2.38 -0.89	2.68 -0.79	3.61 -0.76	3.51 -0.27	5
6	3.13 -0.56	3.35 -0.51	2.86 -0.66	2.11 -1.01	2.91 -0.32	3.01 -0.14	2.00 -1.58	1.86 -1.57	2.39 -0.85	3.37 -0.42	3.58 -0.80	3.32 -0.17	6
7	3.21 -0.80	3.37 -0.80	2.84 -0.76	2.19 -1.05	3.27 -0.33	2.98 -0.33	1.88 -1.67	1.67 -1.21	2.54 -0.84	3.87 -0.39	3.48 -0.66	2.77 -0.30	7
8	3.31 -0.81	2.75 -0.57	2.47 -0.82	2.34 -0.84	3.42 -0.35	3.29 -0.40	2.07 -1.42	2.11 -0.49	2.91 -0.94	3.98 -0.42	3.52 -0.41	2.49 -0.18	8
9	3.26 -0.80	2.45 -0.83	2.31 -1.00	2.79 -0.58	3.49 -0.43	2.83 -0.87	2.01 -1.37	2.55 -0.44	3.29 -0.91	4.03 -0.63	3.32 -0.56	2.40 -0.34	9
10	2.89 -0.81	2.36 -0.88	2.41 -0.84	4.23 -0.08	3.60 1.46	2.53 -1.23	2.05 -1.08	2.52 -0.69	3.48 -0.98	3.80 -0.70	3.04 -0.43	2.62 -0.32	10
11	2.11 -1.09	2.14 -1.02	2.71 -0.48	3.23 -0.73	3.53 -0.42	2.65 -1.06	2.10 -0.73	2.61 -0.65	3.61 -0.93	3.52 -0.75	2.69 -0.44	2.50 -0.52	11
12	2.70 -1.01	2.44 -0.66	2.90 -0.63	3.28 0.94	3.68 -0.45	3.14 0.29	2.35 -0.48	2.92 -1.13	3.45 -1.04	3.26 -0.77	2.57 -0.34	2.89 -0.59	12
13	2.49 -0.93	2.62 -0.37	2.57 0.12	3.50 -0.68	3.70 -0.31	3.04 -0.35	2.61 -0.75	3.36 -0.85	3.14 -1.32	3.03 -0.80	2.43 -0.63	3.20 -0.52	13
14	2.39 -0.71	3.01 0.25	2.44 -1.19	3.56 -0.64	3.34 -0.26	2.75 -0.42	2.61 -1.11	3.30 -1.16	2.95 -1.22	2.65 -0.87	2.67 -0.41	2.93 -0.67	14
15	2.25 -0.78	2.99 -0.38	3.60 -1.15	3.92 -0.46	3.08 -0.37	2.41 -0.52	2.80 -0.99	3.14 -1.25	2.66 -1.29	2.24 -1.04	2.86 -0.55	2.69 -1.03	15
16	2.18 -0.69	3.15 -0.51	3.58 -0.66	3.74 -0.26	2.90 -0.32	2.72 -0.53	3.27 -1.06	3.10 -1.08	2.27 -1.10	1.50 -0.86	3.38 -0.72	1.72 -1.02	16
17	2.42 -0.57	3.38 -0.55	3.59 -0.70	3.23 -0.34	3.01 -0.18	3.00 -0.32	2.91 -1.34	2.83 -1.22	2.18 -0.97	2.36 -0.70	1.69 -0.62	2.52 -1.19	17
18	2.67 -0.57	3.44 -0.35	4.10 -0.46	2.85 -0.61	2.96 0.01	2.88 -0.51	2.71 -1.50	2.36 -1.31	2.39 -0.62	2.41 -0.85	3.18 -0.74	2.87 -0.57	18
19	2.78 -0.49	3.69 -0.49	3.81 -0.27	2.47 -0.78	3.06 -0.17	2.85 -0.92	2.51 -1.50	2.10 -1.33	2.59 -0.19	2.73 -0.83	3.24 -0.84	2.97 -0.53	19
20	2.92 -0.61	3.33 -0.51	3.22 -0.53	2.15 -0.87	3.41 -0.14	2.84 -1.05	2.34 -1.45	1.95 -1.20	2.82 -0.63	3.14 -0.73	3.23 -0.80	2.91 -0.52	20
21	3.23 -0.46	3.75 -0.69	2.37 -0.94	2.45 -0.77	3.85 -0.01	2.82 -1.27	1.92 -1.51	2.08 -0.91	2.72 -0.95	3.28 -0.72	3.12 -0.84	2.28 -0.80	21
22	3.09 -0.57	3.22 -0.58	1.78 -1.49	2.61 -0.63	3.64 -0.28	2.66 -1.17	1.48 -1.67	2.19 -0.61	2.84 -1.04	3.37 -0.72	2.82 -0.95	2.04 -0.90	22
23	2.96 -0.71	2.81 -0.75	1.74 -1.60	2.85 -0.73	3.76 -0.11	2.73 -1.02	1.28 -1.33	2.37 -0.88	3.26 -0.86	3.43 -0.72	2.73 -1.01	2.10 -0.82	23
24	2.88 -0.94	2.34 -0.90	2.05 -1.30	3.17 -0.66	3.78 -0.20	2.32 -1.19	1.52 -1.18	2.46 -1.09	3.47 -0.80	3.40 -0.81	2.62 -0.84	2.35 -0.90	24
25	2.70 -1.01	2.33 -0.99	2.43 -1.01	3.70 -0.41	3.63 1.10	2.58 -0.79	1.70 -1.13	2.38 -1.14	3.60 -0.49	3.34 -0.82	2.54 -0.87	2.73 -0.94	25
26	2.52 -1.01	2.45 -0.79	2.95 -0.51	4.18 1.40	3.64 -0.20	2.27 -0.19	2.06 -0.98	2.55 -1.45	3.85 -0.43	3.33 -0.71	2.19 -0.86	3.02 -0.82	26
27	2.17 -1.05	2.76 -0.57	3.12 -0.69	3.98 -0.16	3.83 -0.01	2.04 -1.01	2.31 -0.99	2.80 -1.09	3.54 -0.80	3.27 -0.57	2.28 -0.65	3.20 -0.77	27
28	2.53 -0.76	3.11 -0.35	3.59 0.42	3.64 -0.25	3.53 0.34	1.77 177 -0.98	2.67 -0.95	3.33 -0.82	3.37 -0.96	3.10 -0.51	2.38 -0.66	3.61 -0.77	28
29	2.58 -0.68	3.50 0.04	3.80 -0.51	3.86 -0.39	3.21 0.18	1.91 -0.92	2.80 -1.03	3.33 -0.93	2.99 -1.12	2.63 -0.76 /L	2.94 -0.74	3.69 -0.34	29
30	2.27 -0.74	4.08 -0.01	3.89 -0.48	3.81 0.24		2.24 -0.64	3.03 -0.85	3.08 -1.29	2.53 -1.31	2.66 -0.43	3.63 -0.58	2.07 -0.56	30
31	2.59 -0.56		3.63 -0.51	3.31 -0.09		2.76 -0.41		3.02 -1.14		2.70 -0.37	3.63 -0.06		31
MAXIMUM	3.31	4.08	4.24	4.23	3.85	3.29	3.27	3.36	3.85	4.03	3.63	3.84	MAXIMUM
MINIMUM	-1.09	-1.02	-1.60	-1.05	-0.58	-1.27	-1.67	-1.57	-1.32	-1.04	-1.01	-1.19	MINIMUM

E - Estimated  
NR - No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 53 28	121 34 09	NE 31 1N 4E		5.51	12-27-1964		MAY 1963-DATE	1963	1964	-10.42	USCGS
								1964		0.00	USCGS

Station located at Highway 4 bridge, 4.2 miles east of Byron. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

TABLE 8-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

ROCK SLOUGH AT CONTRA COSTA CANAL INTAKE

in feet

STATION NO	WATER YEAR
B95220	1968

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1						6.30 3.13	6.27 2.74		5.97 1.78	5.62 2.06	6.16 2.78	5.20 2.58	1
2						6.33 3.46	6.07 2.33		5.60 1.80	5.52 2.23	6.48 2.48	6.80 2.40	2
3						6.17 3.14	5.69 1.87		5.18 1.75	4.67 2.17	4.75 2.34	6.71 2.39	3
4						5.91 2.95	5.53 1.80		5.21 2.12	5.79 2.41	6.73 2.27	6.92 2.78	4
5						6.19 3.03	5.59 1.95		5.67 2.24	6.00 2.32	6.88 2.62	6.62 2.63	5
6						6.07 2.91	5.04 1.47		5.68 2.26	6.65 2.68	6.81 2.19	6.42 2.74	6
7						5.99 2.72	5.02 1.47	NR NR	5.83 2.17	7.12 2.64	6.69 2.33	6.10 2.61	7
8						6.32 2.71	5.22 1.62	5.41 2.51	6.17 2.07	7.24 2.59	6.72 2.54	5.83 2.72	8
9						5.88 2.19	5.23 1.71	5.88 2.72	6.54 2.10	7.25 2.43	6.50 2.47	5.71 2.73	9
10						NR NR	5.30 2.02	5.87 2.38	6.72 2.00	7.04 2.35	6.26 2.59	5.83 2.70	10
11						NR NR	5.36 2.37	6.09 2.38	6.84 2.05	6.77 2.25	5.90 2.57	5.85 2.64	11
12						NR NR	5.74 2.55	6.30 1.99	6.70 1.89	6.52 2.22	5.80 2.72	6.06 2.49	12
13						NR NR	5.97 2.26	6.72 1.64	6.40 1.64	6.29 2.30	5.70 2.53	6.35 2.58	13
14						NR NR	5.98 1.97	6.58 1.81	6.18 1.73	5.90 2.20	5.89 2.73	6.16 2.44	14
15						NR NR	6.19 2.12	6.46 1.70	5.86 1.72	5.54 2.14	6.05 2.56	5.90 2.14	15
16						NR NR	NR 1.84	6.41 1.84	5.46 1.91	5.66 2.28	6.58 2.45	4.90 2.05	16
17						NR NR	NR 1.81	6.12 1.81	5.41 2.09	4.32 2.40	4.81 2.45	5.74 1.88	17
18						NR NR	NR 1.79	5.63 1.79	5.63 2.44	5.69 2.29	6.37 2.34	6.15 2.47	18
19						NR NR	NR 1.76	5.34 1.76	5.84 2.93	6.00 2.29	6.43 2.23	6.28 2.54	19
20						NR NR	NR 1.91	5.28 1.91	6.02 2.48	6.39 2.34	6.50 2.25	6.20 2.47	20
21						NR NR	NR 2.23	5.41 2.23	5.93 2.12	6.51 2.36	6.42 2.20	5.61 2.26	21
22						NR NR	NR 2.42	5.54 2.42	6.07 1.99	6.60 2.36	6.14 2.06	5.41 2.20	22
23						NR NR	NR 2.28	5.71 2.28	6.47 2.17	6.67 2.36	6.06 2.05	5.41 2.30	23
24						NR NR	NR 2.04	5.83 2.04	6.68 2.22	6.63 2.24	5.96 2.22	5.67 2.25	24
25						NR NR	NR 1.87	5.74 1.87	6.79 2.52	6.57 2.25	5.87 2.25	6.04 2.19	25
26						NR NR	NR 1.64	5.87 1.64	7.03 2.55	6.56 2.35	5.50 2.26	6.31 2.32	26
27					6.90 2.92	5.17 2.52	NR NR	6.11 1.86	6.72 2.24	6.51 2.46	5.67 2.46	6.47 2.37	27
28					6.61 3.33	5.02 2.06	NR NR	6.46 2.11	6.57 2.16	6.31 2.56	5.75 2.47	6.84 2.37	28
29					6.28 3.15	5.17 2.14	NR NR	6.45 2.02	6.12 1.86	5.85 2.28	6.01 2.40	6.90 2.79	29
30					NR NR	5.49 2.35	NR NR	6.34 1.78	5.73 1.75	5.91 2.61	6.68 2.35	5.28 2.46	30
31					NR NR	5.98 2.60	NR NR	6.25 1.85	NR NR	5.96 2.70	6.83 2.89	NR NR	31
MAXIMUM					NR	NR	NR	NR	7.03	7.25	6.86	6.92	MAXIMUM
MINIMUM					NR	NR	NR	NR	1.64	2.06	2.05	1.88	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 58 35	121 38 19	SW 34 2N 3E		10.4	12-26-1955			1944	1952	0.40	USCGS
								DEC 46-FEB 46	1952	0.50	USCGS
								MAR 68-DATE	1953	-3.3	USCGS
									1964	-3.65	USCGS
									1964	-3.00	USCGS

Station located at Contra Costa Canal intake, approximately 1.5 miles northeast of Knightsen. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge. Station was discontinued October 4, 1966, and reactivated February 26, 1968.



TABLE 8-12 (CONT)  
DAILY MAXIMUM AND MINIMUM TIDES

OLD RIVER NEAR ROCK SLOUGH

in feet

STATION NO	WATER YEAR
895180	1968

DATE	OCT	NOV	DEC	JAN.	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.36 2.68	6.12 2.56	6.72 2.92	6.60 2.20	5.74 2.60	6.26 3.20	6.22 2.84	6.07 2.08	5.98 1.90	5.62 2.26	6.21 2.90	5.29 2.79	1
2	6.16 2.60	6.54 3.26	6.70 2.20	6.34 2.32	5.56 2.40	6.30 3.50	6.06 2.44	6.02 1.90	5.62 2.00	5.54 2.40	6.51 2.60	6.86 2.50	2
3	6.14 2.80	6.86 2.62	7.20 2.30	5.84 2.24	5.56 2.50	6.14 3.20	5.66 1.90	6.26 2.42	5.20 1.80	5.80 2.36	4.80 2.50	6.77 2.60	3
4	6.08 2.80	7.08 2.80	7.02 2.70	5.26 1.90	5.46 2.48	5.86 3.02	5.50 1.90	5.90 2.14	5.22 2.20	4.50 2.50	6.75 2.40	6.94 2.94	4
5	6.14 2.72	6.72 2.80	6.40 2.90	5.16 1.94	5.58 2.82	6.18 3.12	5.58 2.00	5.42 2.00	5.68 2.30	6.02 2.40	6.90 2.44	6.60 2.80	5
6	6.20 2.52	6.36 2.48	5.84 2.26	5.12 1.98	5.90 2.68	6.04 2.90	5.04 1.60	5.10 1.68	5.66 2.42	6.68 2.84	6.84 2.40	6.41 2.90	6
7	6.28 2.32	6.38 2.10	5.82 2.26	5.18 1.94	6.22 2.60	5.98 2.70	5.02 1.50	5.02 1.90	5.84 2.32	7.17 2.80	6.75 2.55	6.10 2.80	7
8	6.36 2.20	5.76 2.40	5.40 2.16	5.32 2.14	6.38 2.62	6.32 2.74	5.20 1.74	5.40 2.60	6.18 2.20	7.27 2.80	6.75 2.70	5.85 2.90	8
9	6.34 2.24	5.46 2.10	5.26 1.98	5.80 2.40	6.46 2.54	5.90 2.26	5.20 1.82	5.88 2.86	6.56 2.20	7.27 2.60	6.57 2.60	5.79 2.94	9
10	5.96 2.20	5.36 2.12	5.38 2.14	7.18 2.88	6.58 2.54	5.66 1.96	5.28 2.10	5.86 2.50	6.72 2.20	7.07 2.50	6.29 2.77	5.84 2.80	10
11	5.76 2.00	5.26 2.10	5.68 2.40	6.20 2.20	6.56 2.52	5.78 2.00	5.34 2.50	6.06 2.50	6.88 2.20	6.77 2.44	5.92 2.70	5.88 2.82	11
12	5.22 2.04	5.56 2.46	5.76 2.22	6.26 2.24	6.66 4.16	6.32 2.80	5.48 2.66	6.26 2.10	6.72 2.10	6.55 2.40	5.82 2.90	6.09 2.60	12
13	5.60 2.16	5.66 2.60	5.36 1.66	6.46 4.10	6.72 2.60	6.22 2.74	5.96 2.42	6.72 2.32	6.44 1.80	6.30 2.49	5.70 2.60	6.39 2.70	13
14	5.52 2.36	6.02 2.62	5.36 1.70	6.56 2.26	6.40 2.70	5.94 3.10	5.96 2.14	6.56 1.96	6.16 1.92	5.93 2.41	5.90 2.86	6.21 2.50	14
15	5.40 2.30	6.02 3.20	6.60 3.90	6.90 2.46	6.14 2.60	5.60 2.64	6.18 2.20	6.44 1.80	5.86 1.88	5.57 2.30	6.09 2.60	5.90 2.30	15
16	5.28 2.38	6.18 3.50	6.58 2.30	6.72 2.66	6.02 2.68	5.90 2.60	6.58 2.12	6.40 2.02	5.46 2.06	5.69 2.44	6.54 2.50	5.79 2.20	16
17	5.50 2.52	6.38 2.46	6.62 2.30	6.22 2.56	6.04 2.80	6.26 2.80	6.10 1.76	6.12 1.90	5.18 2.24	5.73 2.54	6.35 2.50	5.05 2.04	17
18	5.72 2.92	6.46 2.64	7.08 2.60	5.86 2.32	6.02 3.06	6.04 2.52	5.90 1.60	5.64 1.94	5.64 2.50	4.25 2.44	5.17 2.50	6.19 2.60	18
19	5.84 2.58	6.66 2.52	6.78 2.66	5.52 2.20	6.12 2.80	5.98 2.16	5.74 1.70	5.38 1.94	5.84 3.04	6.05 2.40	6.45 2.30	6.33 2.70	19
20	5.98 2.42	6.32 2.40	6.20 2.44	5.24 2.10	6.44 2.90	5.96 1.96	5.48 1.70	5.28 2.10	6.04 2.60	6.43 2.49	6.53 2.40	6.20 3.10	20
21	6.26 2.60	6.66 2.28	5.34 2.00	5.50 2.24	6.92 3.02	5.84 1.76	5.04 1.64	5.42 2.40	5.94 2.26	6.55 2.40	6.45 2.30	5.65 2.44	21
22	6.12 2.46	6.18 2.30	4.76 1.46	5.72 2.46	6.68 2.76	5.70 1.80	4.70 1.58	5.54 2.50	6.08 2.16	6.61 2.55	6.17 2.23	5.41 2.30	22
23	5.98 2.34	5.78 2.24	4.76 1.30	5.92 2.30	6.72 2.82	5.76 2.02	4.66 1.92	5.72 2.42	6.48 2.30	6.69 2.50	6.07 2.20	5.44 2.49	23
24	5.86 2.00	5.36 2.00	5.06 1.64	6.24 2.30	6.76 2.80	5.48 1.90	4.92 2.10	5.82 2.10	6.70 2.40	6.67 2.40	5.98 2.30	5.71 2.40	24
25	5.70 2.02	5.34 2.02	5.44 1.90	6.74 2.62	6.66 2.82	5.68 2.30	5.07 2.00	5.74 2.00	6.80 2.60	6.57 2.40	5.90 2.30	6.07 2.34	25
26	5.56 2.02	5.44 2.24	5.94 2.40	7.22 2.84	6.64 4.02	5.34 2.12	5.38 2.10	5.88 1.84	7.04 2.74	6.59 2.50	5.53 2.44	6.35 2.51	26
27	5.58 1.90	5.78 2.40	6.12 2.24	7.04 2.74	6.86 3.00	5.12 2.10	5.64 2.10	6.12 2.02	6.74 2.40	6.53 2.60	5.65 2.60	6.51 2.50	27
28	5.52 2.24	6.10 2.62	6.60 2.44	6.74 3.90	6.56 3.40	4.98 2.26	5.86 2.20	6.46 2.20	6.56 2.32	6.35 2.70	5.75 2.64	6.84 2.55	28
29	5.58 2.22	6.58 2.96	6.78 3.76	7.02 2.60	6.22 3.22	5.14 2.32	5.98 2.10	6.44 2.10	6.14 2.04	5.88 2.47	6.07 2.57	6.94 2.94	29
30	5.34 2.22	7.10 3.60	6.88 2.40	6.80 3.30	5.46 2.44	6.26 2.44	6.26 2.34	6.36 1.90	5.76 1.82	5.92 2.80	6.75 2.50	5.33 2.63	30
31	5.64 2.40		6.66 2.40	6.32 2.86		5.96 2.76		6.26 2.04		5.94 2.88	6.90 3.00		31
MAXIMUM	6.36	7.10	7.20	7.22	6.92	6.32	6.58	6.72	7.04	7.27	6.90	6.94	MAXIMUM
MINIMUM	1.90	2.00	1.30	1.90	2.40	1.76	1.50	1.68	1.80	2.26	2.20	2.04	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
37 59 23	121 34 49	SW 30 2N 4E		10.0	12-26-1953		MAR 1943-DATE	1945		0.00	USED
								1945		-3.00	USCGS
									1964	-3.58	USCGS
									1964	-3.00	USCGS

Station located on American Island (formerly Holland Tract), 1.2 miles north of Rock Slough, 4.7 miles northeast of Knightsen. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

TABLE 8-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

HOKELUMNE RIVER NEAR THORNTON

in feet

STATION NO.	WATER YEAR
894175	1968

DATE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY.	JUNE.	JULY.	AUG.	SEP.	DATE
1	3.82 1.43	3.81 2.00	3.83 0.68	3.78 0.08	4.58 A 3.83 A	4.03 3.03	3.70 1.35	3.35 -0.35	3.11 -0.56	2.83 -0.34	3.29 0.18	2.49 0.26	1
2	3.69 1.39	4.05 2.07	3.85 0.10	3.55 0.08	3.65 2.60	4.00 2.93	3.54 1.17	3.27 -0.43	2.78 -0.51	2.64 -0.19	1.80 0.10	3.88 0.08	2
3	3.62 1.46	4.27 1.93	4.22 0.17	3.12 -0.04	3.15 1.53	3.81 2.35	3.20 0.81	3.48 -0.01	2.41 -0.67	2.76 -0.39	3.56 -0.03	3.77 0.08	3
4	3.64 1.46	4.38 1.74	4.17 0.53	2.59 -0.28	3.02 0.97	3.55 1.97	3.02 0.58	3.19 -0.28	2.43 -0.26	2.93 -0.20	3.74 -0.06	3.90 0.34	4
5	3.66 1.52	4.06 1.28	3.63 0.88	2.52 -0.38	3.01 0.70	3.77 1.98	3.03 0.50	2.75 -0.25	2.92 -0.25	3.14 -0.17	3.86 -0.04	3.66 0.17	5
6	3.71 1.42	3.66 0.56	3.26 0.32	2.47 -0.38	3.22 0.51	3.65 1.09	2.38 0.01	2.42 -0.69	2.88 -0.27	3.67 0.23	3.84 -0.10	3.49 0.26	6
7	3.75 1.31	3.65 0.19	3.27 0.60	2.51 -0.54	3.48 0.41	3.30 1.12	2.38 -0.06	2.35 -0.41	2.98 -0.35	4.08 0.29	3.75 -0.01	3.29 0.22	7
8	3.77 1.28	3.08 0.33	2.75 0.21	2.65 -0.30	3.62 0.36	3.79 1.90	2.66 0.01	2.73 0.24	3.31 -0.28	4.17 0.30	3.76 0.24	3.07 0.34	8
9	3.77 1.20	2.82 0.03	2.70 -0.04	3.09 0.01	3.68 1.90	4.50 A 2.17 A	2.70 0.00	3.18 0.40	3.62 -0.17	4.17 0.09	3.61 0.08	3.04 0.36	9
10	3.42 1.20	2.74 -0.09	2.78 -0.04	4.28 2.03	3.76 0.24	4.15 3.79	2.78 0.19	3.17 0.13	3.76 -0.22	4.01 0.01	3.40 0.22	3.06 0.25	10
11	2.85 0.99	2.67 -0.15	3.04 0.26	3.43 0.61	3.77 0.27	3.74 2.75	2.87 0.53	3.37 0.29	3.91 -0.11	3.80 -0.04	3.12 0.20	3.11 0.22	11
12	3.31 1.10	2.95 0.13	2.79 -0.19	3.64 0.22	4.02 0.28	4.01 1.92	3.23 0.48	3.52 -0.09	3.77 -0.34	3.62 -0.07	3.04 0.31	3.24 0.09	12
13	3.19 1.10	3.03 0.29	2.24 0.14	3.78 0.64	4.05 1.10	3.79 2.15	3.41 0.44	3.87 0.15	3.53 -0.65	3.43 -0.04	2.90 0.03	3.50 0.15	13
14	3.05 1.02	3.33 0.81	2.40 -0.91	3.83 0.49	3.82 1.09	3.65 1.92	3.44 0.23	3.74 -0.24	3.31 -0.61	3.12 -0.15	3.10 0.16	3.34 0.05	14
15	3.02 1.15	3.32 0.38	3.76 -0.69	3.92 0.56	3.60 0.99	3.57 2.42	3.64 0.41	3.70 -0.17	3.01 -0.71	2.74 -0.30	3.21 0.07	3.11 -0.21	15
16	2.91 1.16	3.41 0.16	3.70 0.18	3.98 0.41	3.55 0.91	3.66 2.27	3.95 0.18	3.63 -0.14	2.64 -0.56	1.99 -0.21	3.60 -0.04	2.00 -0.51	16
17	3.14 1.25	3.59 0.09	3.80 0.08	3.54 0.99	3.59 1.08	3.81 2.11	3.29 -0.48	3.38 -0.22	2.61 -0.45	2.84 -0.22	1.94 -0.04	2.94 -0.50	17
18	3.33 1.29	3.63 0.31	4.17 0.51	3.17 0.40	3.58 1.30	4.57 3.50	3.18 -0.46	2.95 -0.38	2.79 -0.16	2.86 -0.23	3.48 0.00	3.30 0.07	18
19	3.43 1.38	3.79 0.27	3.90 0.53	2.82 -0.09	3.90 1.88	3.99 2.12	3.10 -0.50	2.83 -0.45	2.99 0.28	3.15 -0.21	3.51 -0.11	3.46 0.21	19
20	3.52 1.36	3.56 0.18	3.45 0.29	2.54 -0.30	3.85 1.67	3.56 0.99	2.71 -0.56	2.61 -0.42	3.17 -0.05	3.46 -0.12	3.62 -0.11	3.36 -0.01	20
21	3.75 1.48	3.64 0.07	2.66 -0.16	2.28 -0.37	6.47 A 3.09 A	3.31 0.27	2.34 -0.78	2.80 -0.07	3.09 -0.38	3.58 -0.07	3.53 -0.17	2.81 -0.30	21
22	3.60 1.41	3.40 0.07	2.10 -0.69	2.98 -0.26	7.40 A 6.47 A	3.12 0.15	2.07 -0.83	2.86 0.05	3.20 -0.47	3.65 -0.06	3.28 -0.29	2.65 -0.25	22
23	3.48 1.28	3.02 -0.10	2.13 -0.84	3.14 -0.37	6.97 A 6.57 A	3.20 0.21	2.05 -0.46	2.99 -0.03	3.56 -0.21	3.69 -0.04	3.23 -0.22	2.68 -0.14	23
24	3.40 1.06	2.61 -0.32	2.42 -0.69	3.40 -0.29	5.73 5.27	2.88 0.10	2.32 -0.42	3.11 -0.21	3.70 -0.18	3.69 -0.14	3.16 -0.07	2.91 -0.16	24
25	3.25 1.02	2.63 -0.38	2.77 -0.46	3.80 0.05	5.39 4.99	3.15 1.02	2.47 -0.47	3.04 -0.33	3.79 0.06	3.61 -0.16	3.09 -0.08	3.22 -0.16	25
26	3.15 0.96	2.77 -0.23	3.23 -0.01	4.18 1.63	4.97 4.32	2.66 0.36	2.58 -0.54	3.14 -0.51	4.03 0.17	3.60 -0.07	2.72 -0.14	3.45 -0.04	26
27	2.84 0.93	3.06 -0.06	3.40 -0.02	4.06 0.39	4.84 4.01	2.56 0.16	2.81 -0.45	3.33 -0.42	3.78 -0.18	3.57 0.07	2.90 0.00	3.57 0.01	27
28	3.21 1.21	3.29 0.20	3.78 0.81	3.87 0.30	4.41 3.62	2.45 0.19	3.19 -0.20	3.59 -0.16	3.64 -0.22	3.43 0.21	2.96 -0.06	3.89 0.02	28
29	3.09 1.09	3.83 0.52	3.89 0.19	4.14 0.28	4.11 3.29	2.56 0.13	3.26 -0.28	3.57 -0.25	3.18 -0.71	3.03 -0.12	3.16 -0.06	3.97 0.43	29
30	3.04 1.16	4.13 0.62	3.98 0.23	3.90 1.02	4.03 1.02	3.52 0.33	3.51 -0.01	3.46 -0.50	2.93 -0.66	3.06 0.13	3.75 -0.13	2.56 0.13	30
31	3.48 1.41	3.82 0.26	4.03 0.60	4.03 0.60	4.03 0.60	3.52 1.25	3.52 1.25	3.40 -0.51	3.40 -0.51	3.15 0.18	3.89 0.42	3.89 0.42	31
MAXIMUM	NR	4.38	4.22	4.28	7.40	4.57	3.95	3.87	4.03	4.17	3.89	3.97	MAXIMUM
MINIMUM	NR	-0.38	-0.91	-0.54	0.24	0.10	-0.83	-0.69	-0.71	-0.39	-0.29	-0.51	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
38 15 20	121 26 21	NW 28 5N 5E		14.5	2-2-1963			FEB 1959-DATE	1959	1964	0.4 -0.48 0.00	USCCS USCCS USCCS

Station located at highway bridge, 2.3 miles northwest of Thornton. Also known as "Mokelumne River at Benson's Ferry". Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge. At times, tidal fluctuation is influenced by operation of the Delta Cross Channel gates.



TABLE 8-12 (CONT)  
DAILY MAXIMUM AND MINIMUM TIDES

SOUTH FORK MOKELUPNE RIVER AT NEW HOPE BRIDGE

in feet

STATION NO	WATER YEAR
B94150	1968

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.78 0.55	3.57 0.55	4.06 0.64	3.98 0.05	3.18 0.34	3.67 0.83	3.70 0.82	3.40 -0.37	3.23 -0.47	2.94 -0.25	3.52 0.31	2.59 0.32	1
2	3.59 0.51	3.97 0.47	4.05 0.05	3.70 0.06	2.95 0.13	3.69 1.08	3.51 0.46	3.33 -0.44	2.87 -0.42	2.89 -0.10	3.80 0.17	4.16 0.15	2
3	3.53 0.56	4.26 0.57	4.54 0.12	3.18 -0.05	2.91 0.03	3.52 0.74	3.08 0.08	3.56 -0.02	2.48 -0.57	1.96 -0.26	2.07 0.06	4.03 0.16	3
4	3.56 0.59	4.43 0.76	4.46 0.47	2.59 -0.30	2.82 -0.15	3.25 0.50	2.91 -0.03	3.23 -0.26	2.53 -0.15	3.09 -0.07	4.02 0.00	4.20 0.44	4
5	3.58 0.66	4.14 0.67	3.73 0.80	2.53 -0.40	2.89 -0.01	3.55 0.61	2.96 0.00	2.78 -0.25	3.04 -0.13	3.33 -0.04	4.18 0.04	3.90 0.26	5
6	3.65 0.43	3.69 0.26	3.24 0.18	2.48 -0.39	3.18 -0.04	3.39 0.35	2.30 -0.44	2.43 -0.61	3.00 -0.15	3.97 0.35	4.16 -0.02	3.72 0.36	6
7	3.71 0.32	3.69 -0.05	3.26 0.36	2.51 -0.53	3.47 -0.04	3.26 0.13	2.31 -0.47	2.38 -0.40	3.14 -0.23	4.46 0.39	4.06 0.08	3.48 0.31	7
8	3.74 0.26	3.07 0.12	2.73 0.12	2.65 -0.30	3.62 -0.05	3.62 -0.25	2.62 -0.36	2.78 0.26	3.52 -0.18	4.59 0.40	4.09 0.32	3.22 0.43	8
9	3.72 0.21	2.79 -0.12	2.67 -0.15	3.12 0.00	3.68 -0.13	3.23 0.04	2.66 -0.15	3.27 0.43	3.91 -0.10	4.58 0.20	3.87 0.18	3.18 0.46	9
10	3.30 0.23	2.71 -0.24	2.77 -0.06	4.50 0.53	3.78 -0.11	3.00 -0.29	2.75 -0.08	3.27 0.15	4.06 -0.13	4.35 0.10	3.63 0.31	3.19 0.37	10
11	3.11 -0.04	2.63 -0.28	3.06 0.25	3.49 0.03	3.78 1.43	3.20 -0.31	2.84 0.23	3.53 0.31	4.24 -0.04	4.10 0.05	3.27 0.28	3.26 0.33	11
12	2.58 0.00	2.92 0.01	2.81 -0.19	3.66 1.51	4.15 -0.12	3.83 0.95	3.22 0.41	3.69 -0.09	4.08 -0.24	3.86 0.03	3.19 0.41	3.38 0.18	12
13	2.98 0.03	3.01 0.18	2.26 0.18	3.85 0.41	4.14 0.78	3.63 0.39	3.42 0.16	4.14 0.14	3.76 -0.54	3.64 0.07	3.03 0.15	3.66 0.23	13
14	2.80 -0.08	3.34 0.23	2.40 -0.91	3.94 0.32	3.88 0.78	3.35 0.31	3.45 -0.03	3.95 -0.27	3.50 -0.51	3.27 -0.04	3.26 0.29	3.47 0.14	14
15	2.77 0.11	3.36 0.72	3.95 -0.68	4.03 0.42	3.63 0.72	3.04 0.24	3.66 0.19	3.84 -0.27	3.17 -0.61	2.88 -0.18	3.37 0.16	3.21 -0.12	15
16	2.73 0.16	3.49 0.12	3.87 0.18	3.96 0.00	3.57 0.68	3.34 0.25	4.04 -0.07	3.78 -0.19	2.75 -0.46	2.98 -0.12	3.82 0.08	2.07 -0.41	16
17	2.92 0.38	3.72 0.09	4.00 0.07	3.51 0.02	3.61 0.83	3.65 0.45	3.31 -0.69	3.48 -0.20	2.49 -0.32	3.01 -0.10	3.65 0.08	3.05 -0.40	17
18	3.16 0.30	3.78 0.31	4.42 0.48	3.14 -0.29	3.54 0.96	3.51 0.14	3.18 -0.61	3.00 -0.34	2.93 -0.02	1.49 -0.12	2.44 0.09	3.47 0.16	18
19	3.26 0.38	3.96 0.26	4.10 0.48	2.79 -0.45	3.75 0.48	3.40 -0.27	3.10 -0.63	2.86 -0.39	3.14 0.42	3.32 -0.11	3.69 -0.03	3.65 0.30	19
20	3.37 0.29	3.61 0.17	3.53 0.25	2.50 -0.53	3.79 0.38	3.33 -0.52	2.71 -0.65	2.66 -0.35	3.32 0.08	3.69 -0.01	3.82 -0.02	3.54 0.09	20
21	3.65 0.44	3.74 -0.02	2.66 -0.18	2.73 -0.51	4.42 1.13	3.17 -0.79	2.31 -0.87	2.87 0.01	3.24 -0.27	3.80 0.02	3.72 -0.10	2.96 -0.22	21
22	3.44 0.33	3.45 0.03	2.09 -0.70	2.95 -0.35	4.27 1.12	3.02 -0.72	2.05 -0.87	2.94 0.13	3.37 -0.35	3.89 0.04	3.46 -0.21	2.78 -0.17	22
23	3.29 0.20	3.05 -0.09	2.13 -0.82	3.12 -0.46	4.23 0.90	3.12 -0.56	2.04 -0.47	3.10 0.05	3.79 -0.11	3.96 0.06	3.41 -0.13	2.80 -0.05	23
24	3.16 -0.04	2.63 -0.28	2.43 -0.66	3.42 -0.39	4.20 0.81	2.81 -0.59	2.32 -0.43	3.22 -0.13	2.96 -0.08	3.94 -0.06	3.34 0.01	3.05 -0.07	24
25	3.00 -0.07	2.67 -0.35	2.82 -0.43	3.89 -0.08	4.12 1.75	3.08 -0.29	2.46 -0.48	3.14 -0.27	4.07 0.19	3.86 -0.06	3.25 0.00	3.40 -0.09	25
26	2.90 -0.11	2.82 -0.18	3.32 0.02	4.33 0.21	4.10 0.73	2.57 -0.01	2.57 -0.54	3.24 -0.47	4.36 0.27	3.86 0.03	2.87 -0.03	3.65 0.03	26
27	2.95 -0.16	3.15 -0.01	3.51 -0.04	4.18 1.41	4.32 0.81	2.46 -0.50	2.85 -0.43	3.46 -0.35	4.02 -0.07	3.83 0.16	3.06 0.11	3.79 0.09	27
28	2.98 0.16	3.42 0.23	3.97 0.15	3.97 0.12	3.97 1.12	2.34 -0.48	3.24 -0.21	3.77 -0.10	3.86 -0.12	3.64 0.25	3.12 0.05	4.19 0.08	28
29	2.83 -0.01	4.04 0.56	4.11 1.16	4.31 0.09	3.63 0.90	2.47 -0.43	3.32 -0.30	3.74 -0.19	3.33 -0.60	3.19 -0.01	3.33 0.05	4.21 0.50	29
30	2.79 0.04	4.47 1.15	4.24 0.18	3.97 0.77	2.78 -0.10	2.78 -0.10	3.60 -0.06	3.64 -0.42	3.04 -0.56	3.24 0.25	4.02 -0.03	2.62 0.18	30
31	3.11 0.22		4.03 0.21	3.68 0.26		3.50 0.75		3.56 -0.43		3.34 0.29	4.17 0.53		31
MAXIMUM	3.78	4.47	4.54	4.50	4.42	3.83	4.04	4.14	4.36	4.59	4.18	4.21	MAXIMUM
MINIMUM	-0.16	-0.35	-0.91	-0.53	-0.15	-0.79	-0.87	-0.61	-0.61	-0.26	-0.21	-0.41	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 13 33	121 29 24	NW 1 4N 4E		13.3	12-25-1955		AUG 1920-DATE	1920	1940	0.26	USED
								1940		0.00	USCGS
								1940		2.84	USED
								1964	1964	-0.62	USCGS
										0.00	USCGS

Station located south of Walnut Grove-Thornton Highway bridge, 3.8 miles west of Thornton. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge. At times, tidal fluctuation is influenced by operation of the Delta Cross Channel gates.

TABLE 8-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

NORTH FORK MOKELUMNE RIVER NEAR ISLETON in feet

STATION NO	PAPER YEAR
B94115	1968

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1						6.50 3.55	6.48 3.15	6.28 2.27	6.12 2.25	5.60 2.40	6.38 3.05	5.43 2.99	
2						6.53 3.86	6.29 2.76	6.20 2.20	5.75 2.29	5.74 2.57	6.69 2.82	7.05 2.60	2
3						6.36 3.53	5.84 2.32	6.43 2.61	5.34 2.12	5.97 2.47	6.90 2.68	6.94 2.82	3
4						6.08 3.32	5.69 2.23	6.08 2.35	5.42 2.55	6.20 2.70	5.14 2.61	7.09 3.10	4
5						6.40 3.42	5.76 2.33	5.60 2.34	5.93 2.58	4.66 2.63	7.06 2.63	6.61 2.94	5
6						6.24 3.23	5.11 1.91	5.28 1.90	5.88 2.62	6.88 3.02	7.04 2.59	6.60 3.04	6
7						6.14 3.00	5.11 1.90	5.23 2.20	6.04 2.43	7.36 3.02	6.75 2.53	6.33 2.99	7
8						6.49 3.02	5.39 2.03	5.63 2.87	6.40 2.45	7.48 3.00	6.78 2.77	6.07 3.10	8
9						6.03 2.58	5.43 2.12	6.13 3.08	6.79 2.49	7.47 2.81	6.56 2.60	6.01 3.14	9
10						5.80 2.29	5.51 2.42	6.12 2.75	6.94 2.42	7.25 2.72	6.29 2.76	6.05 3.09	10
11						5.99 2.37	5.60 2.76	6.37 2.85	7.12 2.49	6.99 2.65	5.91 2.67	6.10 3.01	11
12						6.67 3.08	6.01 2.93	6.57 2.43	6.96 2.33	6.76 2.63	5.82 2.87	6.25 2.85	12
13						6.48 3.60	6.22 2.65	7.02 2.64	6.65 2.05	6.51 2.67	5.69 2.66	6.55 2.91	13
14						6.16 3.04	6.26 2.43	6.81 2.21	6.38 2.11	6.10 2.57	5.92 2.83	6.35 2.78	14
15						5.82 2.94	6.48 2.64	6.68 2.14	6.05 2.04	5.74 2.47	6.06 2.65	6.09 2.52	15
16						6.15 2.96	6.89 2.41	6.64 2.29	5.61 2.22	5.85 2.59	6.52 2.57	4.99 2.25	16
17						6.51 3.16	6.17 1.85	6.33 2.31	5.35 2.38	5.89 2.67	6.35 2.55	5.94 2.24	17
18						6.28 2.70	6.05 1.93	5.83 2.26	5.83 2.73	6.19 2.58	5.08 2.53	6.35 2.82	18
19						6.21 2.40	5.94 1.95	5.67 2.19	6.04 3.19	6.19 2.58	6.39 2.42	6.53 2.93	19
20					NR 3.15	6.16 2.23	5.58 1.97	5.48 2.28	6.21 2.79	6.58 2.66	6.51 2.42	6.41 2.75	20
21						7.15 3.41	6.02 2.00	5.14 1.81	5.69 2.64	6.13 2.42	6.69 2.67	5.82 2.91	21
22						6.96 3.22	5.86 2.11	4.90 1.80	5.79 2.78	6.26 2.33	6.79 2.69	6.14 2.21	22
23						6.96 3.23	5.97 2.27	4.88 2.19	5.96 2.67	6.68 2.53	6.85 2.70	5.65 2.66	23
24						6.98 3.24	5.64 2.24	5.16 2.28	6.08 2.44	6.85 2.58	6.83 2.59	5.90 2.61	24
25						6.88 3.22	5.92 2.56	5.29 2.21	5.99 2.28	6.98 2.86	6.75 2.58	6.27 2.57	25
26						6.88 4.31	5.43 2.36	5.48 2.17	6.09 2.11	7.24 2.91	6.74 2.68	6.53 2.69	26
27						7.12 3.39	5.29 2.38	5.74 2.27	6.32 2.25	6.91 2.59	6.72 2.80	6.68 2.74	27
28						6.80 3.78	5.18 2.51	6.10 2.42	6.66 2.47	6.76 2.50	6.50 2.89	7.08 2.74	28
29						6.45 3.58	5.33 2.46	6.19 2.33	6.64 2.41	6.24 2.08	6.04 2.62	7.08 3.16	29
30						5.65 2.76	6.48 2.55	6.53 2.21	5.91 2.09	6.07 2.93	6.90 2.67	5.47 2.83	30
31						6.26 3.06			6.45 2.25		6.17 3.01		31
MAXIMUM	NR				NR	6.67	6.89	7.02	7.24	7.48	7.07	7.09	MAXIMUM
MINIMUM	NR				NR	2.00	1.80	1.90	2.04	2.40	2.21	2.24	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D. & A.M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 10 02	121 32 00	NW 3/4 4N 4E						FEB 1968-DATE	1968	2.95	USCGS

Station located on Staten Island 4.3 miles east of Isleton. Station located in tidal zone. Station installed in cooperation with the U. S. Corps of Engineers.



TABLE B-12 (CONT)  
DAILY MAXIMUM AND MINIMUM TIDES

LITTLE POTATOE SLOUGH AT TERMINOUS

in feet

STATION NO	DATE YEAR
B94120	1968

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1						3.51 0.39	3.48 -0.03	3.28 -0.85	3.14 0.89	NR NR	3.39 -0.02	2.45 -0.14	
2						3.54 0.71	3.30 -0.42	3.22 -0.92	2.77 -0.81	2.76 -0.54	3.69 -0.29	4.05 -0.34	2
3						3.37 0.40	2.85 -0.87	3.44 -0.49	2.37 -0.98	2.99 -0.61	1.94 -0.44	3.94 -0.32	3
4						3.08 0.19	2.69 -0.93	3.09 -0.78	2.42 -0.56	2.99 -0.40	3.92 -0.54	4.10 -0.03	4
5						3.40 0.31	2.77 -0.83	2.61 -0.77	2.90 -0.52	3.22 -0.49	4.07 -0.51	3.79 -0.22	5
6						3.24 0.14	2.15 -1.25	2.31 -1.22	2.92 -0.48	3.87 -0.11	4.06 -0.55	3.61 -0.09	6
7						3.13 -0.10	2.15 -1.27	2.24 -0.93	3.06 -0.67	4.37 -0.11	3.95 -0.41	3.34 -0.15	7
8						3.50 -0.08	2.41 -1.13	2.64 -0.22	3.42 -0.67	4.49 -0.15	3.97 -0.17	3.08 -0.02	8
9						3.05 -0.55	2.45 -1.05	3.13 -0.04	3.81 -0.68	4.47 -0.36	3.76 -0.33	3.01 0.01	9
10						2.84 -0.86	2.53 -0.74	3.12 -0.39	3.94 -0.72	4.27 -0.42	3.50 -0.19	3.05 -0.05	10
11						3.01 -0.79	2.62 -0.39	3.35 -0.28	4.11 -0.65	4.00 -0.47	3.12 -0.18	3.10 -0.14	11
12						3.69 -0.06	3.02 -0.22	3.57 -0.73	3.97 -0.80	3.75 -0.50	3.04 -0.04	3.26 -0.30	12
13						3.50 0.46	3.23 -0.50	4.02 -0.55	3.66 -1.09	3.52 -0.44	2.91 -0.25	3.53 -0.23	13
14						3.18 -0.11	3.26 -0.74	3.82 -0.96	3.41 -1.01	3.12 -0.56	3.12 -0.09	3.33 -0.36	14
15						2.85 -2.12	3.48 -0.51	3.69 -1.03	3.07 -1.07	2.76 -0.63	3.23 -0.27	3.08 -0.61	15
16						3.17 -0.19	3.91 -0.75	3.65 -0.80	2.64 -0.90	2.86 -0.49	3.72 -0.35	2.03 -0.85	16
17						3.54 0.02	3.22 -1.25	3.34 -0.84	2.37 -0.70	2.91 -0.43	3.53 -0.38	2.95 -0.81	17
18						3.30 -0.44	3.06 -1.18	2.85 -0.92	2.84 -0.36	1.37 -0.53	2.29 -0.39	3.34 -0.33	18
19						3.23 -0.73	2.97 -1.17	2.70 -0.98	3.05 0.08	3.20 -0.54	3.58 -0.54	3.51 -0.20	19
20						3.17 -0.91	2.64 -1.16	2.51 -0.84	3.22 -0.32	3.58 -0.45	3.71 -0.53	3.41 -0.37	20
21					4.16 0.21	3.04 -1.12	2.18 -1.28	2.71 -0.47	3.14 -0.68	3.70 -0.43	3.62 -0.60	2.84 -0.62	21
22					3.95 0.00	2.89 -1.02	1.93 -1.32	2.80 -0.34	3.27 -0.78	3.79 -0.44	3.35 -0.72	2.63 -0.60	22
23					3.96 0.04	2.99 -0.85	1.91 -0.81	2.97 -0.45	3.70 -0.59	3.86 -0.43	3.27 -0.71	2.66 -0.48	23
24					3.98 0.04	2.69 -0.88	2.18 -0.83	3.09 -0.70	3.88 -0.55	3.83 -0.53	3.19 -0.54	2.91 -0.53	24
25					3.90 0.04	2.97 -0.55	2.32 -0.89	3.00 -0.86	3.99 -0.25	3.76 -0.53	3.10 -0.52	3.28 -0.59	25
26					3.89 1.18	2.50 -0.77	2.55 -0.88	3.11 -1.05	4.27 NR	3.76 -0.45	2.73 -0.50	3.54 -0.46	26
27					4.14 0.20	2.34 -0.73	2.79 -0.85	3.34 -0.90	NR NR	3.72 -0.31	2.92 -0.30	3.68 -0.40	27
28					3.80 0.61	2.22 -0.59	3.11 -0.71	3.67 -0.66	NR NR	3.51 -0.22	3.00 -0.32	4.08 -0.40	28
29					3.45 0.42	2.37 -0.64	3.20 -0.80	3.65 -0.74	NR NR	3.06 -0.49	3.23 -0.39	4.10 0.04	29
30						2.69 -0.42	3.49 -0.57	3.54 -0.94	NR NR	3.10 -0.17	3.92 -0.46	3.52 -0.33	30
31						3.24 -0.10		3.47 -0.88		3.19 -0.08	4.06 0.08		31
MAXIMUM					NR	3.69	3.91	4.02	NR	4.49	4.07	4.10	MAXIMUM
MINIMUM					NR	-1.12	-1.32	-1.22	NR	-0.63	-0.72	-0.85	MINIMUM

E - Estimated  
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.S. & M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
38 06 53	121 29 47	NE 14 3N 4E						FEB 1968-DATE	1968		-0.11	USCGS

Station located at State Highway 12 at Terminous. Station located in tidal zone. Station installed in cooperation with the U. S. Corps of Engineers.

TABLE D-12 (CONT)  
DAILY MAXIMUM AND MINIMUM TIDES

SOUTH FORK HOKELEUMNE RIVER AT HOC SLOUGH

in feet

STATION NO	AB ET FE 18
895130	1968

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1						7.52 4.28	7.49 3.88	7.28 3.00	7.11 2.96	6.81 3.16	7.39 3.82	6.43 3.71	
2						7.55 4.58	7.29 3.48	7.21 2.93	6.74 3.08	6.55 3.31	7.68 3.55	8.03 3.51	2
3						7.37 4.28	6.83 3.05	7.42 3.38	6.36 2.87	6.99 3.86	5.92 3.39	7.94 3.51	3
4						7.08 4.07	6.66 3.00	7.07 3.12	6.42 3.32	5.63 3.44	7.90 3.31	8.10 3.81	4
5						7.40 4.20	6.75 3.11	6.61 3.11	6.91 3.33	7.23 3.34	8.06 3.33	7.78 3.63	5
6						7.23 4.02	6.08 2.73	6.29 2.65	6.90 3.36	7.87 3.74	8.06 3.28	7.61 2.75	6
7						7.10 3.95	6.11 2.68	6.23 2.93	7.06 3.15	8.36 3.72	7.95 3.42	7.37 3.69	7
8						7.46 3.94	6.41 2.76	6.65 3.64	7.42 3.16	8.48 3.68	7.98 3.66	7.08 3.83	8
9						7.04 3.85	6.46 2.84	7.16 3.83	7.78 3.17	8.48 3.48	7.75 3.48	7.03 3.87	9
10						6.84 3.79	6.55 3.12	7.14 3.45	7.95 3.12	8.27 3.40	7.49 3.67	7.06 3.79	10
11						7.01 4.59	6.65 3.47	7.39 3.58	8.11 3.19	8.00 3.35	7.12 3.66	7.11 3.71	11
12						7.71 3.80	7.05 3.65	7.59 3.13	7.97 3.03	7.74 3.34	7.05 3.82	7.26 3.57	12
13						7.53 3.94	7.27 3.35	8.04 3.35	7.65 2.74	7.53 3.40	6.89 3.59	7.53 3.62	13
14						7.21 3.93	7.29 3.12	7.83 2.89	7.41 2.83	7.11 3.27	7.12 3.75	7.29 3.50	14
15						6.87 3.92	7.51 3.36	7.70 2.82	7.06 2.74	6.75 3.20	7.23 3.57	7.05 3.24	15
16						7.20 3.93	7.93 3.11	7.66 2.99	6.63 2.95	6.86 3.35	7.67 3.50	5.96 2.98	16
17						7.56 3.95	7.19 2.59	7.34 3.05	6.36 3.13	6.90 3.42	5.90 3.47	6.91 2.94	17
18						7.33 3.89	7.06 2.79	6.86 2.95	6.83 3.47	5.33 3.30	7.51 3.47	7.34 3.52	18
19						7.23 3.82	6.96 2.73	6.71 2.89	7.02 3.94	7.20 3.29	7.55 3.33	7.51 3.64	19
20						7.19 3.78	6.62 2.69	6.51 3.02	7.22 3.52	7.56 3.39	7.68 3.31	7.41 3.45	20
21					8.18 4.13	7.03 3.71	6.17 2.78	6.73 3.41	7.13 3.14	7.68 3.40	7.61 3.24	6.85 3.20	21
22					7.97 3.94	6.89 3.66	5.95 2.65	6.82 3.51	7.26 3.04	7.76 3.40	7.34 3.11	6.64 3.23	22
23					7.98 3.95	7.00 3.77	5.92 3.01	6.98 3.40	7.70 3.25	7.84 3.40	7.27 3.14	6.66 3.36	23
24					8.01 3.94	6.69 3.73	6.20 3.10	7.10 3.16	7.87 3.27	7.79 3.28	7.21 3.30	6.92 3.30	24
25					7.86 3.94	6.99 4.12	6.34 3.07	7.02 3.00	7.98 3.58	7.74 3.29	7.11 3.32	7.28 3.26	25
26					7.91 5.06	6.48 3.82	6.51 2.91	7.12 2.80	8.27 3.65	8.27 3.37	7.75 3.34	6.74 3.38	26
27					8.17 4.09	6.34 3.76	6.78 3.00	7.34 2.95	7.90 3.31	7.71 3.52	6.94 3.55	7.67 3.43	27
28					7.79 4.49	6.23 3.76	7.13 3.14	7.66 3.20	7.74 3.22	7.51 3.62	7.00 3.51	8.06 3.44	28
29					7.47 4.29	6.37 3.77	7.21 3.04	7.63 3.12	7.25 2.79	7.07 3.34	7.23 3.45	8.08 3.88	29
30						6.69 3.46	7.48 3.30	7.52 2.91	6.93 2.80	7.11 3.68	7.92 3.38	6.47 3.52	30
31						7.28 3.82		7.44 2.97		7.20 3.75	8.05 3.93		31
MAXIMUM					NR	7.71	7.93	8.04	8.27	8.48	8.06	8.10	MAXIMUM
MINIMUM					NR	3.46	3.59	2.65	2.74	3.16	3.11	2.94	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 10 02	121 39 36	NW 25 4N 4E					FEB 1968-DATE	1968		-3.89	USCGS

Station located on Staten Island 6.3 miles east of Ielston. Station located in tidal zone. Station installed in cooperation with the U. S. Corps of Engineers.



TABLE 8-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES  
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING

STATION NO	RATER YEAR
B95100	1968

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	6.32 2.69	6.07 2.58	6.67 3.74	6.59 2.28	5.68 2.64	6.24 3.29	6.25 2.93	6.08 2.15	5.91 2.03	5.58 2.31	6.16 2.98	NR NR	1
2	6.12 2.74	6.50 3.30	6.66 2.29	6.31 2.35	5.51 2.47	6.27 3.63	6.06 2.54	6.00 2.06	5.55 2.06	5.52 2.44	6.46 2.73	NR NR	2
3	6.09 2.83	6.82 2.62	7.17 2.35	5.79 2.26	5.52 2.63	6.12 3.32	5.64 2.07	6.21 2.43	5.14 1.97	5.77 2.37	6.71 2.57	NR NR	3
4	6.05 2.84	7.02 2.86	7.05 2.70	5.19 2.02	5.42 2.57	5.85 3.12	5.48 1.98	5.84 2.15	5.22 2.40	6.00 2.85	4.93 2.49	NR NR	4
5	6.10 2.78	6.76 2.80	6.35 3.02	5.11 1.99	5.52 2.71	6.16 3.20	5.55 2.11	5.17 2.19	5.67 2.48	4.49 2.54	6.86 2.58	NR NR	5
6	6.16 2.54	6.32 2.49	5.79 2.28	5.08 2.04	5.85 2.76	6.01 3.08	4.95 1.69	5.07 1.77	5.66 2.54	6.61 2.91	6.84 2.47	NR NR	6
7	6.24 2.38	6.31 2.21	5.80 2.37	5.13 2.01	6.17 2.60	5.95 2.87	4.93 1.70	5.00 2.04	5.81 2.33	7.14 2.87	6.73 2.60	6.08 2.84	7
8	6.31 2.33	5.68 2.44	5.30 2.20	5.27 2.21	6.34 2.70	6.30 2.87	5.19 1.84	5.41 2.74	6.18 2.30	7.26 2.86	6.74 2.82	5.81 2.96	8
9	6.31 2.29	5.38 2.21	5.21 2.02	5.75 2.49	6.42 2.59	5.83 2.36	5.18 1.92	5.86 2.95	6.55 2.33	7.25 2.67	6.53 2.68	5.75 3.00	9
10	5.90 2.32	5.31 2.16	5.32 2.21	7.15 2.93	6.54 2.60	5.59 2.07	5.26 2.23	5.88 2.59	6.71 2.23	7.03 2.59	6.26 2.81	5.79 2.97	10
11	5.68 2.06	5.22 2.16	5.63 2.54	6.14 2.24	6.54 2.58	5.76 2.15	5.33 2.59	6.10 2.65	6.89 2.28	6.78 2.52	5.87 2.79	5.87 2.88	11
12	5.14 2.09	5.53 2.52	5.53 2.14	6.21 2.28	6.64 2.72	6.37 2.89	5.73 2.75	6.32 2.25	6.72 2.14	6.52 2.46	5.78 2.94	6.03 2.73	12
13	5.53 2.20	5.58 2.68	5.08 1.47	6.42 2.30	6.71 2.77	6.25 2.83	5.96 2.48	6.77 2.40	6.43 1.90	6.30 2.53	5.67 2.78	6.32 2.80	13
14	5.37 2.15	5.95 2.65	5.14 1.67	6.53 2.53	6.40 3.76	5.93 2.71	5.99 2.23	6.58 1.91	6.16 1.97	5.89 2.45	5.87 2.95	6.16 2.65	14
15	5.33 2.35	5.96 2.53	6.57 2.42	6.85 4.45	6.13 2.67	5.59 2.76	6.22 2.37	6.45 1.93	5.83 1.88	5.52 2.38	6.06 2.77	5.87 2.40	15
16	5.22 2.42	6.13 4.29	6.52 4.20	6.68 2.69	6.08 2.73	5.89 3.23	6.62 2.21	6.40 2.08	5.40 2.09	5.66 2.51	6.40 2.68	5.75 2.12	16
17	5.43 2.56	6.34 3.90	6.60 2.30	6.19 2.61	6.09 2.95	6.27 2.94	5.97 1.72	6.10 2.03	5.60 2.28	5.70 2.65	6.32 2.65	4.99 2.12	17
18	5.67 2.62	6.40 2.66	7.05 2.73	5.81 2.35	6.01 3.11	6.03 2.46	5.82 1.75	5.60 1.99	4.89 2.64	6.00 2.52	5.10 2.59	6.14 2.70	18
19	5.78 3.24	6.62 2.57	6.73 2.71	5.46 2.25	6.10 2.97	5.96 2.20	5.73 1.78	5.39 1.96	5.81 3.10	4.60 2.51	6.40 2.50	6.30 2.76	19
20	5.92 2.46	6.27 2.51	6.15 2.48	5.20 2.24	6.46 2.98	5.94 2.03	5.40 1.84	5.25 2.14	6.00 2.71	6.38 2.58	6.50 2.49	6.19 2.62	20
21	6.21 2.64	6.54 2.31	5.28 2.05	5.46 2.31	6.90 3.10	5.81 1.84	4.92 1.69	5.42 2.52	5.92 2.34	6.50 2.58	6.41 2.41	5.59 2.38	21
22	6.04 2.50	6.13 2.41	4.69 1.52	5.70 2.52	6.69 2.84	5.66 1.96	4.68 1.66	5.53 2.65	6.06 2.22	6.59 2.59	6.12 2.28	5.39 2.43	22
23	5.90 2.36	5.71 2.29	4.71 1.45	5.89 2.37	6.69 2.85	5.73 2.11	4.66 2.05	5.72 2.51	6.45 2.40	6.66 2.59	6.04 2.28	5.41 2.55	23
24	5.80 2.13	5.28 2.12	5.03 1.69	6.21 2.41	6.72 2.88	5.45 2.05	4.92 2.18	5.84 2.28	6.64 2.48	6.63 2.48	5.96 2.48	5.66 2.49	24
25	5.62 2.08	5.30 2.08	5.39 2.02	6.73 2.67	6.63 2.87	5.68 2.40	5.06 2.13	5.74 2.11	6.77 2.74	6.55 2.49	5.87 2.50	6.04 2.45	25
26	5.47 2.06	5.43 2.27	5.91 2.45	7.19 2.90	6.62 2.97	5.26 2.21	5.29 2.15	5.83 1.93	7.00 2.77	6.54 2.59	5.47 2.52	6.31 2.57	26
27	5.50 2.01	5.74 2.48	6.09 2.27	7.04 2.8	6.85 3.48	5.10 2.24	5.55 2.17	6.10 2.07	6.71 2.47	6.49 2.70	5.65 2.70	6.46 2.60	27
28	5.45 2.28	6.04 2.65	6.56 2.44	6.81 2.72	6.54 4.21	4.98 2.35	5.88 2.28	6.43 2.30	6.56 2.38	6.28 2.77	5.75 2.72	6.83 2.63	28
29	5.40 2.19	6.62 2.97	6.77 2.42	7.11 3.37	6.19 3.30	5.13 2.39	5.98 2.21	6.42 2.22	6.07 1.95	5.83 2.54	5.99 2.67	6.87 3.03	29
30	5.27 2.24	7.07 2.94	6.86 2.43	6.77 4.16	5.46 2.54	6.25 2.38	6.33 2.08	5.71 2.00	5.85 2.84	6.68 2.57	6.30 2.69	6.30 2.69	30
31	5.59 2.48	6.63 3.90	6.27 3.90	6.27 2.91	5.97 2.84	5.97 2.84	6.25 2.10	6.25 2.10	5.94 2.90	6.86 3.08	6.86 3.08	NR NR	31
MAXIMUM	6.32	7.07	7.17	7.19	6.90	6.37	6.62	6.77	7.00	7.26	6.86	NR	MAXIMUM
MINIMUM	2.01	2.08	1.45	1.99	2.47	1.84	1.66	1.77	1.88	2.31	2.28	NR	MINIMUM

E - Estimated  
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 06 12	121 35 26	SE13 3N 3E		9.7	12-26-1955		MAY 1952-DATE	1952	1964	-2.84 -3.39 -3.00	USCGS USCGS USCGS

Station located approximately 1.2 miles below Mokelumne River. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

TABLE 8-12 (CONT)  
DAILY MAXIMUM AND MINIMUM TIDES

THREEMILE SLOUGH AT SAN JOAQUIN RIVER

in feet

STATION NO	DATE YEAR
895060	1968

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.21 -0.37	2.97 -0.45	3.51 0.77	3.52 -0.80	2.57 -0.39	3.05 0.27	3.10 0.02	2.92 -0.74	2.78 -1.04	2.45 -0.73	3.02 -0.04	3.71 -0.21	
2	3.03 -0.32	3.40 -0.39	3.51 -0.61	3.21 -0.73	2.40 -0.54	3.15 0.61	2.89 -0.39	2.84 -0.81	2.42 -1.03	2.41 -0.62	3.34 -0.26	2.16 -0.31	2
3	2.98 -0.25	3.73 0.68	4.01 -0.53	2.68 -0.80	2.38 -0.34	2.98 0.36	2.46 -0.84	3.02 -0.52	2.10 -1.09	2.66 -0.63	3.61 -0.41	3.60 -0.37	3
4	2.94 -0.30	3.88 -0.19	3.89 -0.19	2.07 -1.02	2.31 -0.39	2.72 0.15	2.34 -0.94	2.65 -0.72	2.57 -0.74	2.92 -0.35	1.78 -0.49	3.72 -0.12	4
5	3.00 -0.10	3.61 -0.23	3.16 0.12	2.02 -1.03	2.42 -0.18	3.00 0.20	2.36 -0.82	2.14 -0.70	1.87 -0.52	3.57 -0.47	3.75 -0.48	3.41 -0.24	5
6	3.08 -0.55	3.16 -0.50	2.61 -0.57	1.98 -0.98	2.74 -0.20	2.85 0.12	1.78 -1.23	1.84 -1.24	2.56 -0.48	2.00 -0.11	3.73 -0.52	3.24 -0.13	6
7	3.15 -0.68	3.13 -0.75	2.62 -0.50	2.02 -0.99	3.03 -0.27	2.80 -0.01	1.76 -1.21	1.92 -1.02	2.74 -0.67	4.03 -0.16	3.64 -0.40	2.95 -0.18	7
8	3.20 -0.74	2.50 -0.52	2.10 -0.68	2.17 -0.77	3.21 -0.29	3.14 -0.04	1.99 -1.07	2.30 -0.32	3.06 -0.71	4.16 -0.17	3.64 -0.22	2.67 -0.10	8
9	3.16 -0.78	2.19 -0.77	2.02 -0.83	2.66 -0.51	3.30 -0.38	2.68 -0.56	2.01 -0.99	2.76 -0.16	3.47 -0.69	4.17 -0.36	3.44 -0.37	2.60 -0.04	9
10	2.76 -0.73	2.15 -0.77	2.13 -0.66	4.00 -0.13	3.42 -0.40	2.41 -0.80	2.09 -0.68	2.82 -0.45	3.64 -0.78	3.95 -0.45	3.16 -0.31	2.65 -0.02	10
11	2.53 -0.99	2.05 -0.77	2.45 -0.36	3.02 -0.80	3.43 -0.43	2.61 -0.73	2.15 -0.33	3.06 -0.48	3.81 -0.75	3.69 -0.54	2.75 -0.30	2.74 -0.12	11
12	2.39 -0.98	2.36 -0.41	2.31 -0.76	3.10 -0.76	3.53 -0.29	3.22 -0.05	2.58 -0.19	3.28 -0.79	3.61 -0.88	3.41 -0.62	2.66 -0.18	2.90 -0.27	12
13	2.09 -0.85	2.44 -0.29	1.87 -0.41	3.29 -0.76	3.55 -0.23	3.10 -0.10	2.80 -0.46	3.72 -0.64	3.31 -1.08	3.20 -0.54	2.58 -0.25	3.17 -0.19	13
14	2.26 -0.80	2.79 -0.30	2.03 -0.30	3.42 -0.52	3.26 0.79	2.82 -0.21	2.87 -0.69	3.51 -1.03	3.03 -1.05	2.79 -0.58	2.76 -0.66	3.02 -0.32	14
15	2.22 -0.68	2.81 -0.41	3.48 -0.62	3.78 1.43	3.01 -0.29	2.46 -0.19	3.08 -0.55	3.38 -1.12	2.72 -1.05	2.44 -0.64	2.92 -0.23	2.74 -0.59	15
16	2.11 -0.62	2.96 -0.63	3.41 -0.77	3.59 -0.37	2.96 -0.24	2.79 0.23	3.43 -0.71	3.32 -1.00	2.29 -0.94	2.54 -0.52	3.63 -0.31	2.64 -0.91	16
17	2.33 -0.50	3.17 0.92	3.51 -0.29	3.11 -0.45	2.99 0.08	3.16 -0.03	2.80 -1.20	3.01 -1.05	2.48 -0.75	2.58 -0.33	3.20 -0.37	1.87 -0.88	17
18	2.56 -0.44	3.23 -0.29	3.94 1.89	2.74 -0.70	2.86 0.15	2.90 -0.50	2.68 -1.17	2.49 -1.07	2.70 -0.40	2.90 -0.46	3.25 -0.44	3.02 -0.32	18
19	2.67 -0.56	3.44 -0.32	3.63 -0.34	2.38 -0.81	2.94 0.01	2.83 -0.76	2.58 -1.13	2.20 -1.01	1.63 0.07	3.25 -0.48	2.20 -0.53	3.19 -0.29	19
20	2.80 0.51	3.08 -0.40	3.04 -0.58	2.13 -0.81	3.35 0.02	2.80 -0.92	2.20 -1.08	2.16 -0.94	2.91 -0.32	1.75 -0.42	3.38 -0.53	3.07 -0.40	20
21	3.04 -0.44	3.34 -0.56	2.15 -0.99	2.40 -0.72	3.76 0.12	2.66 -1.11	1.76 -1.24	2.32 -0.52	2.82 -0.66	3.39 -0.42	3.31 -0.63	2.49 -0.64	21
22	2.90 -0.56	2.95 -0.48	1.56 -1.38	2.60 -0.48	3.53 -0.11	2.51 -0.98	1.53 -1.26	2.45 -0.36	2.93 -0.80	3.47 -0.41	3.00 -0.75	2.28 -0.59	22
23	2.77 -0.70	2.54 -0.58	1.60 -1.44	2.81 -0.61	3.52 -0.11	2.55 -0.86	1.53 -0.92	2.61 -0.52	3.29 -0.65	3.55 -0.42	2.93 -0.73	2.31 -0.53	23
24	2.67 -0.89	2.12 -0.74	1.91 -1.21	3.13 -0.58	3.53 -0.07	2.30 -0.92	1.77 -0.73	2.75 -0.74	3.50 -0.54	3.51 -0.53	2.85 -0.55	2.56 -0.28	24
25	2.47 -0.93	2.12 -0.75	2.30 -1.00	3.65 -0.33	3.46 -0.05	2.51 -0.58	1.90 -0.78	2.67 -0.95	3.66 -0.32	3.44 -0.53	2.77 -0.52	2.94 -0.56	25
26	2.32 -0.97	2.26 -0.60	2.84 -0.58	4.07 -0.12	3.47 0.10	2.11 -0.74	2.15 -0.78	2.74 -1.09	3.80 -0.32	3.43 -0.42	2.35 -0.51	3.21 -0.44	26
27	2.33 -1.00	2.60 -0.41	3.02 -0.78	3.96 -0.21	3.64 0.40	1.95 -0.70	2.39 -0.74	2.99 -0.97	3.58 -0.56	3.38 -0.31	2.50 -0.34	3.34 -0.38	27
28	2.28 -0.73	2.87 -0.27	3.50 -0.64	3.75 -0.29	3.38 0.28	1.86 -0.59	2.71 -0.63	3.29 -0.76	3.45 -0.66	3.16 -0.22	2.64 -0.27	3.67 -0.38	28
29	2.10 -0.85	3.50 0.04	3.66 -0.66	4.05 0.36	3.05 0.84	2.02 -0.54	2.82 -0.71	3.30 -0.81	2.96 -0.98	2.70 -0.47	2.88 -0.34	3.70 -0.04	29
30	2.15 -0.79	3.92 -0.01	3.77 -0.63	3.68 1.19		2.35 -0.40	3.01 -0.56	3.20 -0.97	2.61 -0.97	2.71 -0.17	3.49 -0.43	3.14 -0.32	30
31	2.47 -0.56		3.56 0.89	3.18 -0.11		2.78 -0.15		3.12 -0.93		2.80 -0.14	3.69 0.02		31
MAXIMUM	3.21	3.88	4.01	4.07	3.76	3.22	3.43	3.72	3.81	4.17	3.75	3.72	MAXIMUM
MINIMUM	-1.00	-0.77	-1.64	-1.03	-0.54	-1.11	-1.26	-1.24	-1.09	-0.73	-0.75	-0.91	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 05 15	121 41 08	SE 19 3H 3E		5.9	4-6-1958		JUNE 1929-DATE	1929	1940	0.00	USED
								1940	1959	0.00	USCGS
								1959		-10.00	USCGS
								1959		-7.11	USED
									1964	-10.45	USCGS
								1964		0.00	USCGS

Station located on Sherman Island, 4.9 miles south of Rio Vista. Station located in tidal zone. Maximum gage height does not indicate maximum discharge. Maximum of record is maximum recorded stage -- record not complete in December 1955.



TABLE B-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

SAN JOAQUIN RIVER AT ANTIOCH

in feet

STATION NO	WATER YEAR
B95020	1968

DATE	OCT	NOV	DEC	JAN	FEB.	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.26 -0.98	3.17 -1.12	3.75 -1.52	3.64 -1.43	2.70 0.01	3.24 0.10	3.25 -0.50	3.02 -1.37	2.76 -1.57	2.45 -1.23	3.12 -0.46	3.71 -0.79	1
2	3.17 -0.91	3.59 -1.11	3.74 -1.41	3.34 0.46	2.51 -1.15	3.34 0.30	2.97 -0.97	2.90 -1.43	2.36 -1.57	2.45 -1.11	3.40 -0.72	3.65 -0.86	2
3	3.13 -0.83	3.88 -0.96	4.20 1.13	2.77 -1.44	2.58 -0.85	3.14 -0.09	2.50 -1.41	3.00 -1.15	2.08 -1.59	2.72 -0.98	3.65 -0.92	2.27 -0.94	3
4	3.12 -0.90	3.99 0.73	4.03 -1.07	2.13 -1.62	2.49 -0.80	2.83 -0.26	2.30 -1.47	2.68 -1.30	2.60 -1.24	3.00 -0.67	3.80 -1.08	3.74 -0.78	4
5	3.19 -1.17	3.74 -1.00	3.31 -0.64	2.12 -1.58	2.52 -0.53	3.06 -0.19	2.27 -1.33	2.21 -1.27	2.63 -0.91	3.62 -0.90	3.81 -1.15	3.48 -0.91	5
6	3.25 -0.38	3.26 -1.24	2.73 -1.42	2.08 -1.42	2.79 -0.54	2.85 -0.28	1.83 -1.77	2.01 -1.69	2.85 -0.85	4.03 -0.65	1.88 -1.21	3.33 -0.77	6
7	3.29 -1.32	3.20 -1.46	2.77 -1.26	2.14 -1.31	3.04 -0.68	2.79 -0.39	1.83 -1.77	1.81 -1.42	1.39 -1.18	2.00 -0.76	3.78 -1.10	3.07 -0.75	7
8	3.28 -1.34	2.54 -1.16	2.25 -1.35	2.26 -1.13	3.24 -0.78	3.12 -0.51	2.12 -1.70	2.42 -0.75	3.16 -1.30	4.19 -0.87	3.74 -0.91	2.77 -0.64	8
9	3.17 -1.36	2.29 -1.37	2.20 -1.44	2.73 -0.95	3.34 -0.93	2.69 -1.15	2.19 -1.67	2.81 -0.59	3.58 -1.35	4.21 -1.04	3.52 -0.99	2.70 -0.55	9
10	2.80 -1.27	2.30 -1.36	2.31 -1.14	3.99 -0.65	3.49 -1.00	2.53 -1.48	2.33 -1.33	2.96 -0.92	3.73 -1.46	4.02 -1.12	3.23 -0.88	2.75 -0.39	10
11	2.55 -1.50	2.24 -1.33	2.65 -0.95	3.09 -1.32	3.55 -1.05	2.75 -1.46	2.40 -0.96	3.20 -1.04	3.86 -1.48	3.77 -1.26	2.80 -0.85	2.82 -0.59	11
12	2.48 -1.51	2.55 -0.91	2.54 -1.42	3.15 -1.33	3.66 -0.96	3.41 -0.74	2.88 -0.77	3.44 -1.36	3.65 -1.64	3.49 -1.28	2.63 -0.70	2.94 -0.70	12
13	2.37 -1.37	2.64 -0.84	2.26 -2.04	3.38 -1.39	3.70 -0.88	3.36 -0.81	3.07 -1.14	3.83 -1.28	3.38 -1.82	3.26 -1.15	2.63 -0.66	3.08 -0.63	13
14	2.27 -1.34	2.95 -0.92	2.19 -1.89	3.50 -1.16	3.44 -0.99	3.08 -0.89	3.15 -1.42	3.63 -1.66	3.06 -1.72	2.86 -1.15	2.77 -0.44	2.93 -0.75	14
15	2.36 -1.18	2.99 -1.07	3.60 -1.26	3.90 -1.02	3.19 -0.89	2.74 -0.81	3.36 -1.33	3.47 -1.71	2.77 -1.67	2.53 -1.13	2.94 -0.60	2.70 -1.01	15
16	2.26 -1.07	3.13 -1.12	3.53 -1.43	3.73 -1.11	3.17 -0.58	3.07 -0.34	3.58 -1.48	3.35 -1.54	2.33 -1.45	2.61 -0.90	3.35 -0.70	2.63 -1.27	16
17	2.47 -0.99	3.33 -1.04	3.60 -0.91	3.25 -1.32	3.02 0.38	3.41 -0.66	3.10 -1.95	3.05 -1.55	2.50 -1.19	2.67 -0.65	3.13 -0.80	3.05 -1.35	17
18	2.68 -0.98	3.37 -1.06	3.97 -1.01	2.84 0.20	3.02 -0.43	3.14 -1.16	2.83 -1.98	2.55 -1.53	2.72 -0.79	2.95 -0.83	3.20 -1.00	2.31 -0.79	18
19	2.79 -1.09	3.59 1.37	3.70 1.33	2.50 -1.40	3.12 -0.54	3.05 -1.42	2.70 -1.83	2.25 -1.42	2.93 -0.30	3.24 -0.89	3.22 -1.02	3.21 -0.83	19
20	2.90 -0.98	3.18 -1.11	3.11 -1.19	2.29 -1.32	3.56 -0.55	2.95 -1.58	2.32 -1.76	2.39 -1.29	2.86 -0.72	3.38 -0.89	2.03 -1.04	3.11 -0.94	20
21	3.07 0.67	3.55 -1.28	2.20 -1.62	2.57 -1.17	3.93 -0.52	2.74 -1.77	1.91 -1.89	1.77 -0.86	1.23 -1.12	3.46 -0.95	3.35 -1.12	2.63 -1.12	21
22	2.90 -1.10	3.00 -1.15	1.60 -2.11	2.83 -0.84	3.62 -0.81	2.58 -1.62	1.78 -1.85	2.52 -0.65	2.96 -1.30	1.94 -0.97	3.10 -1.32	2.46 -1.04	22
23	2.77 -1.25	2.61 -1.23	1.72 -2.12	3.01 -1.12	3.60 -0.87	2.61 -1.55	1.77 -1.52	2.67 -0.88	3.22 -1.22	3.55 -0.99	3.03 -1.30	2.48 -1.04	23
24	2.63 -1.38	2.20 -1.39	2.04 -1.78	3.31 -1.14	3.66 -0.84	2.46 -1.63	1.97 -1.24	2.79 -1.08	3.48 -1.10	3.54 -1.15	3.00 -1.12	2.76 -1.10	24
25	2.44 -1.41	2.28 -1.39	2.46 -1.39	3.80 -0.93	3.63 -0.83	2.68 -1.28	2.15 -1.30	2.79 -1.32	3.63 -0.91	3.49 -1.13	2.88 -1.05	3.12 -0.31	25
26	2.35 -1.43	2.46 -1.20	3.01 -1.10	4.18 -0.80	3.65 -0.65	2.37 -1.41	2.43 -1.32	2.79 -1.64	3.69 -0.97	3.48 -1.02	2.50 -1.01	3.34 -0.98	26
27	2.34 -1.50	2.81 -0.97	3.18 -1.37	4.09 -0.89	3.83 -0.32	2.20 -1.32	2.71 -1.30	2.99 -1.55	3.55 -1.14	3.44 -0.92	2.65 -0.81	3.44 -0.91	27
28	2.36 -1.32	3.14 -0.96	3.64 -1.24	3.91 -0.96	3.60 -0.35	2.13 -1.13	2.91 -1.26	3.27 -1.35	3.45 -1.24	3.24 -0.81	2.81 -0.66	3.70 -0.91	28
29	2.31 -1.45	3.78 -0.70	3.83 -1.35	4.20 -0.27	3.22 -0.27	2.30 -1.08	2.98 -1.33	3.24 -1.40	2.99 -1.55	2.78 -1.01	3.03 -0.81	3.66 -0.60	29
30	2.32 -1.36	4.14 -0.84	3.91 -1.34	3.84 -0.78	2.62 -0.95	2.62 -0.95	3.11 -1.27	3.18 -1.51	2.65 -1.56	2.78 -0.66	3.53 -0.94	3.16 -0.92	30
31	2.66 -1.17		3.70 -1.52	3.33 -1.07		2.94 -0.73		3.08 -1.46		2.87 -0.60	3.69 -0.59		31
MAXIMUM	3.29	4.14	4.20	4.20	3.93	3.41	3.58	3.83	3.86	4.21	3.81	3.74	MAXIMUM
MINIMUM	-1.51	-1.46	-2.12	-1.62	-1.15	-1.77	-1.98	-1.71	-1.82	-1.28	-1.32	-1.35	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE				
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM	
			CFS	GAGE HT.	DATE			FROM	TO			
38 01 04	121 48 06	SW 18 2N 2E		6.2	12-26-1955			JUNE 1929-DATE	1929	1940	0.00	USED
									1940	1957	0.00	USCGS
									1957	1957	-9.71	USCGS
									1957		-9.96	USCGS
									1957		-6.97	USED
									1964	1964	-10.11	USCGS
											0.00	USCGS

Station located in pump house on wharf at city water works immediately north of Antioch. Station located in tidal zone. Maximum gage height listed does not indicate maximum discharge.

TABLE 8-12 (CONT.)  
DAILY MAXIMUM AND MINIMUM TIDES

SUISUN BAY AT BENICIA

in feet

STATION NO	WATER YEAR
E03300	1968

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	3.40 -2.36	3.62 -2.64	4.17 -3.44	3.97 -3.11	2.83 -3.74	3.20 -1.42	3.45 -1.47	3.02 -2.60	2.71 -2.77	NR NR	3.20 -1.45	3.62 -2.27	1
2	3.30 -2.23	4.05 -2.76	4.11 -3.28	3.60 -3.11	2.60 -2.22	3.28 -1.10	3.07 -2.21	2.79 -2.61	2.31 -2.75	NR NR	3.47 -1.84	3.63 -2.36	2
3	3.35 -2.15	4.25 -2.80	4.55 -2.90	2.92 -3.18	2.70 -1.76	3.05 -1.38	2.49 -2.50	2.69 -2.45	2.13 -2.65	NR NR	3.65 -2.22	3.72 -2.41	3
4	3.48 -2.32	4.20 -2.86	4.34 -2.10	2.23 -2.88	2.60 -1.22	2.70 -1.35	2.28 -2.47	2.49 -2.46	2.65 -2.27	NR NR	3.77 -2.36	3.58 -2.38	4
5	3.60 -2.72	3.86 -2.93	3.39 -3.02	2.33 -2.43	2.52 -1.23	2.88 -1.31	2.15 -2.38	2.16 -2.50	NR NR	NR NR	3.95 -2.64	2.39 -2.53	5
6	3.60 -2.84	3.40 -2.94	2.85 -2.52	2.33 -1.01	2.67 -1.33	NR NR	1.84 -2.68	2.19 -2.72	NR NR	NR NR	4.03 -2.85	3.45 -2.34	6
7	3.60 -2.78	3.20 0.70	2.93 0.17	2.34 -1.90	2.81 -1.67	NR NR	1.82 -2.84	2.59 -2.39	NR NR	NR NR	2.20 -2.76	2.97 -2.36	7
8	3.65 -2.81	2.56 -2.50	2.39 -2.53	2.61 -1.79	3.04 -1.98	NR NR	2.19 -2.89	2.92 -1.92	NR NR	NR NR	3.91 -2.66	2.60 -2.18	8
9	3.15 0.50	2.39 -2.57	2.44 -2.28	2.70 -1.74	3.24 -2.29	NR NR	2.37 -2.92	3.16 -1.68	NR NR	NR NR	3.63 -2.71	2.66 -1.81	9
10	2.83 -2.61	2.50 -2.46	2.54 -1.78	3.81 -1.84	3.43 -2.49	NR NR	2.73 -2.58	3.50 -2.31	NR NR	NR NR	3.32 -2.57	2.78 -1.89	10
11	2.57 -2.75	2.58 -2.25	2.83 -1.95	3.09 -2.52	3.61 -2.60	NR NR	2.65 -2.13	3.81 -2.77	NR NR	NR NR	2.83 -2.33	2.74 -1.80	11
12	2.48 -2.73	2.84 -1.71	2.54 -2.71	3.20 -2.64	3.82 -2.61	NR NR	3.20 -2.03	3.81 -3.08	NR NR	3.69 -2.96	2.70 -1.86	2.76 -1.77	12
13	2.40 -2.61	2.93 -1.82	2.39 -3.44	3.45 -2.86	3.97 -2.59	NR NR	3.41 -2.61	4.13 -3.14	NR NR	3.38 -2.61	2.83 -1.44	2.69 0.35	13
14	2.30 -2.49	3.19 -2.01	2.42 -3.35	3.61 -2.70	3.80 -2.62	NR NR	3.54 -2.98	3.99 -3.58	NR NR	2.96 -2.33	2.87 -0.83	2.51 -1.79	14
15	2.47 -2.20	3.23 -2.26	3.72 -2.68	3.99 -2.70	3.48 -2.38	NR NR	3.73 -3.09	3.73 -3.57	NR NR	2.65 -2.12	2.91 -1.39	2.39 -2.15	15
16	2.55 -2.06	3.31 -2.40	3.64 -3.00	3.82 -2.89	3.60 -1.86	NR NR	3.71 -3.23	3.51 -3.30	NR NR	2.77 -1.68	3.18 -1.51	2.67 -2.43	16
17	2.74 -2.01	3.51 -2.48	3.68 -2.61	3.40 -3.04	3.33 -1.76	NR NR	3.26 -3.67	3.01 -3.18	NR NR	2.83 -1.25	2.95 -1.68	3.03 -2.29	17
18	2.93 -2.19	3.50 -2.48	4.00 -2.55	2.94 -3.01	3.30 -1.50	NR NR	2.92 -3.45	2.51 -2.97	NR NR	3.02 -1.55	3.14 -2.02	3.20 -1.99	18
19	3.00 -2.27	3.70 -2.42	3.73 -2.70	2.55 -2.81	3.37 -1.80	NR NR	2.77 -3.15	2.42 -2.65	NR NR	3.19 -1.73	3.37 -2.04	3.14 -2.06	19
20	3.07 -2.24	3.30 -2.54	3.21 -3.02	2.48 -2.40	3.63 -1.91	NR NR	2.36 -3.05	2.55 -2.46	NR NR	3.31 -1.96	3.46 -2.17	2.86 -2.22	20
21	3.05 -2.32	3.40 -2.33	2.37 -3.43	2.80 -1.80	3.86 -2.01	NR NR	2.02 -3.10	2.74 -1.80	NR NR	3.38 -2.13	3.30 -2.37	2.43 -2.38	21
22	2.85 -2.50	3.09 -2.33	1.70 -3.27	3.11 -1.80	3.48 -2.62	NR NR	2.04 -3.06	2.87 -1.66	NR NR	3.49 -2.36	3.26 -2.62	2.80 -2.21	22
23	2.79 -2.43	2.72 1.00	1.99 -0.83	3.24 -2.31	3.44 -2.92	NR NR	2.21 -2.63	2.92 -2.05	NR NR	3.53 -2.35	2.09 -2.64	2.95 -2.10	23
24	2.63 1.01	2.30 -2.40	2.35 -2.74	3.49 -2.45	3.33 -2.99	NR NR	2.43 -2.25	3.04 -2.42	NR NR	3.56 -2.56	3.26 -2.48	3.23 -2.23	24
25	2.37 -2.44	2.52 -2.28	2.83 -2.12	3.94 -2.40	3.54 -3.00	NR NR	2.72 -2.37	2.89 -2.76	NR NR	2.00 -2.54	3.11 -2.29	3.56 -2.19	25
26	2.34 -2.42	2.79 -2.15	3.33 -2.23	4.22 -2.53	3.62 -2.81	NR NR	2.99 -2.44	3.07 -3.06	NR NR	3.47 -2.54	2.74 -2.16	3.69 -2.74	26
27	2.30 -2.53	3.20 -1.87	3.51 -2.75	4.30 -2.70	3.69 -2.57	NR NR	3.07 -2.55	3.07 -2.96	NR NR	3.43 -2.41	2.88 -1.86	3.67 -2.17	27
28	2.40 -2.54	3.52 -2.17	3.95 -2.90	4.22 -2.63	3.60 -2.37	2.41 -2.34	3.00 -2.56	3.28 -2.85	NR NR	3.14 -2.30	3.18 -1.72	3.72 0.79	28
29	2.30 -2.66	4.22 -2.24	4.16 -3.17	4.63 -1.60	3.20 -2.08	2.61 -2.29	3.01 -2.73	3.28 -2.83	NR NR	2.76 -2.16	3.36 -0.78	3.54 -1.97	29
30	2.69 -2.56	4.62 -2.65	4.22 -3.30	4.11 -2.54		2.91 -2.21	3.02 -2.75	3.19 -2.87	NR NR	2.86 -1.89	3.61 -1.93	3.18 -2.19	30
31	3.05 -2.50	3.49 -3.26	4.04 -3.26	3.49 -2.84		3.06 -2.18	2.95 -2.76			2.93 -1.61	3.56 -2.09		31
MAXIMUM	3.60	4.62	4.55	4.63	3.97	NR	3.73	4.13	NR	NR	4.03	3.72	MAXIMUM
MINIMUM	-2.84	-2.94	-3.44	-3.18	-3.00	NR	-3.67	-3.58	NR	NR	-2.85	-2.53	MINIMUM

E- Estimated  
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.O.B.&M.	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 02 26	122 08 13	SW 6 2N 2W		5.7	4-6-1958		JUN 29-APR 40 APR 40-DATE	1929 1940 1962	1940 1962	-2.21 -5.00 0.00	USCGS USCGS USCGS

Station located on inshore side of wharf, immediately southeast of Benicia. Maximum gage height listed does not indicate maximum discharge. Period of record intermittent from 1929 to 1940.





TABLE B-13

CONTENT OF RESERVOIRS

(IN THOUSANDS OF ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A21050	SHASTA LAKE NEAR REDDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3497.7	3323.9	3235.8	3161.5	3248.5	3525.2	3806.6	3888.8	3908.7	3706.2	3295.8	2944.0	1
2	3490.7	3320.2	3237.0	3157.3	3253.8	3521.6	3816.4	3888.5	3907.3	3694.5	3283.3	2934.7	2
3	3487.9	3313.9	3241.8	3153.3	3257.6	3523.1	3821.2	3888.2	3906.0	3686.4	3266.0	2924.2	3
4	3481.9	3308.1	3253.3	3150.0	3265.3	3524.9	3830.5	3886.4	3901.9	3674.2	3253.0	2916.2	4
5	3476.7	3302.4	3259.5	3148.4	3274.7	3529.7	3839.0	3885.6	3901.9	3663.5	3239.2	2908.9	5
6	3470.2	3297.3	3260.5	3144.4	3281.9	3530.7	3842.5	3885.6	3899.8	3648.5	3225.6	2903.1	6
7	3465.4	3293.2	3259.0	3138.8	3290.1	3534.7	3850.5	3886.9	3896.6	3631.7	3211.8	2896.5	7
8	3455.0	3287.4	3257.6	3135.7	3297.3	3535.0	3856.4	3882.1	3891.2	3618.4	3200.2	2884.6	8
9	3448.0	3286.9	3252.8	3140.2	3306.7	3535.0	3859.0	3877.8	3887.7	3609.1	3186.7	2875.8	9
10	3445.0	3280.7	3249.5	3140.6	3319.7	3535.0	3863.8	3876.7	3883.7	3598.6	3172.3	2868.5	10
11	3441.6	3280.7	3246.6	3139.5	3330.4	3533.5	3869.4	3873.7	3879.4	3584.8	3157.7	2863.3	11
12	3435.1	3274.4	3242.5	3140.4	3338.9	3542.9	3874.8	3870.0	3874.0	3571.6	3144.6	2857.1	12
13	3429.2	3271.0	3238.4	3141.8	3341.6	3551.2	3879.9	3871.6	3871.1	3556.8	3129.9	2850.6	13
14	3423.7	3272.0	3235.8	3151.4	3351.3	3565.9	3884.5	3871.3	3865.7	3540.1	3119.9	2836.2	14
15	3420.3	3270.1	3230.8	3172.3	3358.1	3582.5	3887.4	3875.1	3861.4	3526.4	3111.3	2822.5	15
16	3413.6	3266.2	3223.7	3186.7	3370.1	3610.6	3890.4	3875.3	3852.1	3514.8	3100.8	2810.7	16
17	3407.7	3263.6	3217.5	3195.9	3407.4	3637.1	3895.0	3876.7	3846.2	3503.2	3088.3	2802.7	17
18	3401.8	3260.5	3213.4	3200.9	3436.6	3657.3	3896.6	3879.1	3839.3	3489.4	3074.7	2791.9	18
19	3396.6	3258.1	3209.9	3204.7	3468.7	3672.9	3898.2	3881.0	3834.2	3473.2	3065.5	2784.2	19
20	3391.4	3255.7	3204.9	3205.6	3509.0	3685.9	3893.9	3883.9	3830.8	3458.2	3060.7	2774.5	20
21	3383.8	3253.3	3201.6	3205.6	3579.7	3698.6	3889.8	3885.6	3826.8	3442.1	3053.4	2765.9	21
22	3378.2	3249.9	3201.4	3208.2	3648.5	3710.1	3890.4	3888.5	3814.6	3428.4	3043.3	2753.1	22
23	3375.0	3248.5	3197.1	3212.3	3715.4	3719.5	3892.5	3889.8	3801.3	3417.3	3034.2	2743.0	23
24	3367.2	3246.1	3190.2	3214.4	3701.0	3729.3	3891.2	3894.4	3789.1	3405.7	3024.6	2732.4	24
25	3363.0	3241.8	3184.1	3218.4	3666.1	3740.3	3891.7	3896.8	3780.7	3392.2	3011.8	2722.4	25
26	3357.4	3239.6	3179.6	3221.3	3621.7	3750.8	3891.7	3899.0	3768.2	3377.2	3002.1	2712.1	26
27	3353.8	3237.0	3178.4	3221.1	3580.5	3759.8	3887.7	3900.9	3756.9	3362.0	2997.3	2702.1	27
28	3346.4	3235.8	3174.0	3223.4	3552.2	3770.1	3890.9	3903.3	3746.3	3345.5	2990.3	2692.2	28
29	3342.3	3237.3	3173.5	3234.6	3536.5	3780.1	3890.1	3904.1	3730.3	3333.1	2979.0	2681.5	29
30	3336.5	3237.3	3173.5	3238.9	3517.8	3787.6	3889.3	3908.7	3713.8	3321.2	2970.0	2669.8	30
31	3329.2	3237.3	3167.8	3246.1	3497.9	3797.9	3890.7	3908.7	3708.7	3307.4	2957.9	2669.8	31
CHNG	-176.6	-91.9	-69.5	+78.3	+290.4	+261.4	+91.4	+19.4	-194.9	-406.4	-349.5	-288.1	CHNG
MAX.	3497.7	3323.9	3260.5	3246.1	3715.4	3797.9	3898.2	3908.7	3908.7	3706.2	3295.8	2944.0	MAX.
MIN.	3329.2	3237.3	3167.8	3135.7	3248.5	3521.6	3806.6	3870.0	3713.8	3307.4	2957.9	2669.8	MIN.

WATER YEAR SUMMARY

MAXIMUM					MINIMUM					TOTAL
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME	ACRE FEET
3908.7		5	30	2400	2669.8		9	30	2400	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 43 10	122 25 10	NW 15 33N 5W				NOV 1942-DATE	NOV 1942-DATE	1942		0.00	USCGS

Station located in Shasta Dam 2 miles below Squaw Creek, 9.5 miles north of Redding. Usable capacity, 4,377,000 acre-feet between elevations 737.75 and 1065.0 feet above mean sea level. Not available for release, 115,700 acre-feet. Records furnished by USBR. Drainage area, excluding Gooae Lake Basin, is 6,665 square miles.



TABLE B-13 (Cont.)

CONTENT OF RESERVOIRS

(IN THOUSANDS OF ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A36170	WHISKEYTOWN LAKE NEAR WHISKEYTOWN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	237.8	237.2	225.0	210.1	202.8	224.2	202.4	202.9	231.0	236.9	236.6	236.6	1
2	238.4	237.1	225.2	209.9	203.3	223.1	202.5	203.4	231.3	236.8	236.5	236.5	2
3	238.5	237.4	224.7	209.6	203.5	221.9	202.4	203.4	231.8	236.5	236.5	234.6	3
4	237.9	237.3	225.3	209.4	203.7	220.5	202.6	203.2	232.3	236.6	236.4	232.6	4
5	237.6	237.2	225.3	209.1	203.9	219.1	202.5	203.0	232.7	236.7	236.4	230.6	5
6	237.6	237.1	225.1	208.9	204.1	217.6	202.4	202.8	233.1	236.9	236.4	228.6	6
7	237.6	237.5	224.7	208.6	204.0	216.1	202.3	203.9	233.6	237.0	236.4	226.6	7
8	237.5	237.7	224.2	208.4	203.4	214.4	202.2	205.1	234.0	236.8	236.6	224.8	8
9	237.5	237.7	223.7	208.5	203.4	212.8	202.0	206.4	234.2	236.8	236.6	223.0	9
10	237.4	237.5	223.1	208.6	203.4	211.0	202.1	207.7	234.6	236.9	236.7	221.0	10
11	237.4	237.4	222.5	208.2	203.3	209.1	202.2	209.0	234.8	236.9	236.6	219.0	11
12	237.3	237.4	222.0	207.8	203.2	207.9	202.3	210.5	235.0	236.9	236.5	217.2	12
13	237.0	237.8	221.4	208.0	202.9	206.6	202.4	212.2	235.3	236.9	236.5	215.5	13
14	236.9	238.1	220.9	209.2	202.6	205.2	202.5	213.6	235.7	236.8	236.5	215.5	14
15	237.1	237.9	220.3	210.4	202.3	203.7	202.4	214.9	236.1	236.8	236.5	215.2	15
16	237.3	237.6	219.9	210.7	202.8	204.0	202.5	216.3	236.5	236.9	236.6	215.1	16
17	237.5	236.8	219.4	210.0	204.6	204.2	202.2	217.6	237.0	237.0	235.9	215.1	17
18	238.0	236.1	219.3	209.2	205.4	203.9	202.2	219.2	237.4	236.9	236.1	215.1	18
19	238.2	235.2	218.7	208.2	207.1	203.3	202.5	220.7	237.5	236.7	236.4	215.1	19
20	238.2	234.1	217.7	207.1	210.5	203.2	202.6	222.4	237.5	236.7	237.2	215.2	20
21	238.3	233.0	217.3	206.1	213.6	202.7	203.0	224.1	237.7	236.7	237.0	215.4	21
22	238.3	231.7	216.6	205.2	218.6	202.5	203.0	225.5	237.6	236.7	236.8	215.5	22
23	238.3	230.7	216.0	204.2	222.9	202.3	203.1	226.8	237.4	236.6	236.7	215.6	23
24	238.2	229.6	215.1	203.1	225.6	202.0	203.2	227.9	237.3	236.6	236.6	215.8	24
25	238.1	228.7	214.3	202.9	227.0	202.0	203.3	228.6	237.1	236.7	236.6	216.4	25
26	238.5	227.8	213.7	202.7	227.2	202.0	203.3	229.0	237.1	236.7	236.8	216.6	26
27	237.9	227.1	212.9	202.3	226.6	202.0	203.2	229.3	237.0	236.7	236.1	214.8	27
28	237.7	226.3	212.2	202.6	225.8	201.9	202.9	229.7	236.9	236.7	235.9	212.9	28
29	237.6	225.9	211.6	203.1	225.0	201.8	202.9	230.0	236.9	236.6	235.9	211.0	29
30	237.0	225.3	210.7	203.2		201.9	202.9	230.4	237.1	236.6	236.2	211.1	30
31	236.9		210.3	203.2		202.0		230.7		236.6	236.5		31
CHNG	-1.3	-11.6	-15.0	-7.1	+21.8	-23.0	+0.9	+27.8	+6.4	-0.5	-0.1	-25.4	CHNG
MAX.	238.5	237.9	225.3	210.7	227.2	224.2	203.3	230.7	237.7	237.0	237.2	236.6	MAX.
MIN.	236.9	225.3	210.3	202.3	202.3	201.8	202.0	202.8	231.0	236.5	235.9	211.1	MIN.

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
238.5		10	3	2400	202.0		4	9	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 37 03	122 31 31	32N 6W				MAY 1963-DATE	MAY 1963-DATE	1963		0.00	USCGS

Station located on Clear Creek at outlet works to Spring Creek Powerplant, 1.8 miles downstream from Whiskey Creek, 7.8 miles northeast of Igo. Usable capacity, 241,000 acre-feet between elevations 1100.0 and 1210.0 feet above mean sea level. Not available for release, 27,500 acre-feet.

Transbasin water enters the reservoir through Judge Francis Carr Powerplant and is released through Spring Creek Tunnel to Spring Creek Powerplant and Keswick Reservoir. Records furnished by USBR. Drainage area is 200 square miles.

TABLE B-13 (Cont.)

CONTENT OF RESERVOIRS  
(IN ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A55527	FRENCHMAN LAKE NEAR CHILCOOT

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	46015	45917	46128	46666	47566	51753	54803	54412	51647	47998	45064	41561	1
2	46156	45917	26100	46680	47580	51919	54944	54334	51421	47969	44855	41521	2
3	46185	45917	46142	46680	47638	52056	55039	54271	51180	47955	44647	41468	3
4	46185	45917	46227	46694	47710	52178	55117	54256	50940	47912	44440	41415	4
5	46156	45917	46284	46709	47739	52314	55259	54209	50746	47868	44206	41376	5
6	46156	45917	46298	46709	47753	52406	55322	54178	50656	47868	43973	41323	6
7	46156	45917	46354	46709	47782	52559	55417	54162	50552	47825	43672	41270	7
8	46142	45917	46368	46737	47811	52711	55512	54131	50447	47782	43440	41244	8
9	46128	45903	46383	46737	47897	52834	55575	54116	50403	47739	43277	41191	9
10	46128	45917	46383	46894	47941	52926	55654	54053	50343	47681	43128	41151	10
11	46114	45917	46397	46894	47969	53018	55733	54038	50284	47624	42979	41112	11
12	46114	45917	46411	46922	48027	53110	55797	53960	50210	47580	42844	41059	12
13	46114	45917	46411	46936	48056	53187	55845	53883	50135	47523	42723	40981	13
14	46086	45973	46340	46993	48100	53280	55892	53821	50047	47480	42588	40941	14
15	46072	45973	46326	47065	48143	53341	55940	53743	49958	47394	42494	40889	15
16	46058	45973	46354	47065	48186	53449	55988	53650	49854	47294	42413	40823	16
17	46058	45973	46411	47079	48230	53526	55988	53588	49751	47193	42320	40823	17
18	46058	46001	46496	47108	48302	53604	55972	53496	49662	47079	42226	40797	18
19	46044	46044	46510	47122	48491	53666	55940	53403	49500	46936	42146	40771	19
20	46030	46058	46510	47151	48811	53712	55892	53310	49353	46794	42066	40745	20
21	46030	46030	46538	47151	49236	53774	55829	53218	49206	46652	42052	40732	21
22	46015	46030	46538	47179	49618	53836	55765	53141	49045	46538	42026	40705	22
23	45987	46015	46553	47193	50135	53898	55670	53049	48884	46411	41986	40679	23
24	45987	46044	46581	47208	50447	53945	55543	52911	48709	46284	41932	40666	24
25	45973	46015	46567	47222	50716	54100	55385	52819	48549	46156	41879	40666	25
26	45973	46001	46609	47265	50955	54162	55196	52711	48389	46044	41813	40653	26
27	45959	46030	46623	47308	51180	54240	54992	52589	48244	45917	41786	40627	27
28	45959	46030	46638	47308	51391	54318	54850	52467	48157	45762	41760	40601	28
29	45945	46114	46652	47408	51587	54427	54693	52314	48071	45594	41693	40588	29
30	45931	46128	46652	47537	51587	54553	54521	52117	48042	45398	41653	40575	30
31	45931	46128	46652	47537	51587	54662	54662	51889	48042	45231	41614	40575	31
CHNG MAX. MIN.	-113 46185 45931	+197 46128 45903	+524 46652 46100	+885 47537 46666	+4050 51587 47566	+3075 54662 51753	-141 55988 54521	-2632 54412 51889	-3847 51647 48042	-2811 47998 45231	-3617 45064 41614	-1039 41561 40575	CHNG MAX. MIN.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD  
\* - DISCHARGE MEASUREMENT OR OBSERVATION OF FLOW MADE THIS DAY.  
# - E AND R

MAXIMUM				MINIMUM			
CONTENT	MO.	DAY	TIME	CONTENT	MO.	DAY	TIME
55988	4	16	2400	40575	9	30	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 53 36	120 11 17	NE 33 24N 16E					JAN 1962-DATE	1962		5500.00	USCGS

Station located at toe of Frenchman Dam on Little Last Chance Creek, 7.1 miles north of Chilcoot.

Frenchman Dam was completed in October 1961 and storage began in November 1961. The lake has a usable capacity of 53,582 acre-feet between elevations 5517 feet (invert of intake) and 5588 feet (crest of spillway). Not available for release, 1,835 acre-feet.

Daily content given is shown at 2400 hours.

Drainage area is 81.1 square miles.



**TABLE B-13 (Cont.)**  
**CONTENT OF RESERVOIRS**  
**(IN ACRE-FEET)**

WATER YEAR	STATION NO.	STATION NAME
1968	A55383	LAKE DAVIS NEAR PORTOLA

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	48542	NR	49433	51520	56877	61961	65068	64335	62063	59504	57626	1
2	NR	48512	NR	49463	51673	57072	62234	65103	64231	61927	59438	57560	2
3	NR	48512	NR	49403	51735	57267	62404	65103	64196	61893	59372	57495	3
4	NR	48483	NR	49463	51735	57462	62575	65103	64057	61893	59272	57462	4
5	NR	48453	NR	49463	51765	57724	62850	65173	64092	61825	59172	57397	5
6	NR	48483	NR	49433	51765	57822	62987	65138	64127	61757	59106	57365	6
7	NR	48423	49224	49433	51765	58084	63125	65138	64057	61689	59007	57300	7
8	NR	48394	49224	49463	51796	58413	63228	65068	63988	61621	58974	57234	8
9	NR	48364	49165	49403	51857	58511	63435	65103	63884	61486	58907	57202	9
10	NR	48364	49195	44853	51980	58577	63642	65068	63815	61452	58841	57137	10
11	NR	48305	49195	NR	52011	58643	63884	65033	63676	61316	58808	57039	11
12	NR	48305	49195	NR	52073	58874	64023	64928	63607	61215	58676	57007	12
13	NR	48276	49314	NR	52073	58974	64161	64963	63538	61080	58577	56942	13
14	NR	48335	49135	NR	52042	59040	64266	64963	63469	61012	58511	56877 E	14
15	NR	48335	49135	NR	52073	59139	64335	64928	63435	60945	58478	56812 E	15
16	NR	48335	49105	NR	52073	59471	64683	64858	63331	60844	58478	56715 E	16
17	NR	48305	49165	NR	52289	59538	64718	64858	63262	60776	58445	56651	17
18	NR	48305	49433	50304	52412	59571	64718	64788	63228	60675	58347	56618	18
19	NR	48453	49433	50304	52598	59571	64858	64753	63125	60574	58347	56554	19
20	NR	48453	49463	50385	52815	59638	64823	64718	63056	60474	58314	56489	20
21	NR	48394	49463	NR	53376	59671	64823	64683	62953	60440	58281	56425	21
22	NR	48394	49463	NR	53877	59704	64858	64718	62815	60272	58248	56328	22
23	48838	48364	49463	NR	54444	59771	64928	64718	62815	60172	58182	56296	23
24	48778	48364	49463	NR	55047	59871	64963	64683	62678	60072	58051	56263	24
25	48749	48335	49463	50395	55270	60172	64963	64718	62610	60005	57953	56199	25
26	48719	48305	49433	50485	55878	60272	64963	64648	62541	59938	57887	56167	26
27	48719	48335	49433	50546	56102	60406	64963	64648	62439	59804	57855	56135	27
28	48660	48335	49463	50607	56360	60608	64963	64579	62336	59704	57822	56038	28
29	48630	48335	49463	NR	56618	60911	64998	64544	62234	59638	57756	56006	29
30	48571	48335	49463	NR		61282	65033	64405	62097	59604	57691	55974	30
31	48542		49463	51459 E		61655		64335		59571	57658		31
CHNG	-623	-207	+1128	+1996	+5159	+5037	+3378	-698	-2238	-2526	-1913	-1684	CHNG
MAX.	NR	48542	49463	NR	56618	61655	65033	65173	64335	62063	59504	57626	MAX.
MIN.	NR	48276	NR	49403	51520	56877	61961	64335	62097	59571	57658	55974	MIN.

**WATER YEAR SUMMARY**

MAXIMUM					MINIMUM				
CONTENT	MO.	DAY	TIME		CONTENT	MO.	DAY	TIME	
65173	5	5	2400		48276	11	13	2400	

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 53 03	120 38 31	SW 1 23N 13E					DEC 1966-DATE	1966		5700.00	USCGS

Station located near left abutment of Grizzly Valley Dam on Big Grizzly Creek, 5.3 miles north of Portola. Grizzly Valley Dam, creating Lake Davis, was completed in September 1967; however, storage by the contractor in order to test the outlet works, began on October 18, 1966. The lake has a usable capacity of 84,043 acre-feet between elevations 5700 feet (top of low-level intake) and 5775 feet (crest of spillway). Not available for release 108 acre-feet. Daily content given is shown at 2400 hours. Drainage area is 44.0 square miles.

TABLE B-13 (Cont.)

CONTENT OF RESERVOIRS  
(IN ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A54473	ANTELOPE LAKE NEAR BOULDER CREEK GUARD STATION

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	21547	21384	21465	21775	22709	23293	23302	23208	22643	21867	20979	20199	1
2	21629	21375	21465	21775	22709	23264	23274	23208	22625	21857	20961	20173	2
3	21656	21375	21475	21793	22718	23226	23236	23198	22615	21830	20925	20147	3
4	21656	21375	21529	21793	22718	23226	23208	23189	22606	21802	20898	20120	4
5	21647	21357	21547	21812	22718	23226	23208	23160	22615	21793	20863	20094	5
6	21647	21348	21565	21793	22718	23198	23179	23122	22653	21757	20827	20059	6
7	21629	21348	21620	21802	22718	23189	23170	23094	22653	21729	20791	20033	7
8	21629	21330	21620	21821	22718	23170	23160	23075	22634	21702	20756	20007	8
9	21620	21321	21629	21830	22718	23113	23160	23047	22615	21675	20729	19981	9
10	21611	21330	21638	21922	22728	23094	23208	23019	22587	21638	20702	19955	10
11	21602	21330	21629	21885	22728	23075	23255	23009	22560	21602	20667	19920	11
12	21593	21321	21629	NR	22746	23075	23293	23000	22541	21574	20631	19894	12
13	21574	21321	21629	NR	22765	23075	23274	22981	22522	21547	20605	19868	13
14	21556	21321	21602	NR	22765	23075	23255	22981	22494	21520	20569	19833	14
15	21556 E	21321	21602	NR	22765	23028	23255	22962	22466	21484	20543	19799	15
16	21547 E	21321	21584	NR	22765	23028	23236	22934	22439	21447	20569	19773	16
17	21529	21321	21584	NR	22765	23028	23198	22934	22420	21420	20543	19755	17
18	21511	21321	21656	22299	22774	23028	23160	22925	22383	21384	20525	19721	18
19	21511	21375	21665	22299	22849	23000	23151	22915	22346	21348	20516	19695	19
20	21493	21393	21665	22346	23000	22990	23113	22906	22309	21312	20525	19669	20
21	21502	21402	21665	22346	23208	22981	23104	22906	22281	21276	20489	19643	21
22	21484	21402	21702	22355	23293	22981	23075	22906	22244	21239	20472	19617	22
23	21465	21402	21702	22383	23492	22981	23075	22896	22207	21203	20445	19583	23
24	21456	21402	21702	22401	23531	22981	23066	22878	22170	21167	20419	19557	24
25	21438	21402	21711	22429	23492	23009	23066	22821	22124	21131	20384	19531	25
26	21438	21393	21729	22448	23445	23038	23085	22793	22078	21095	20357	19506	26
27	21438	21393	21729	22457	23397	23038	23094	22765	22032	21068	20331	19489	27
28	21420	21393	21748	22504	23359	23038	23104	22737	21986	21033	20304	19463	28
29	21402	21438	21757	22587	23321	23066	23141	22709	21940	21006	20278	19437	29
30	21393	21456	21766	22690	23290	23141	23179	22700	21903	20979	20252	19411	30
31	21384		21766	22709		23236		22662		20970	20217		31
CENG.	-190	+72	+310	+943	+612	-85	-57	-517	-759	-933	-753	-806	
MAX.	21656	21456	21766	22709	23531	23293	23302	23208	22653	21867	20979	20199	MAX.
MIN.	21384	21321	21465	21775	22709	22981	23066	22662	21903	20970	20217	19411	MIN.

WATER YEAR SUMMARY

E - ESTIMATED  
NR - NO RECORD

MAXIMUM				MINIMUM			
CONTENT	MO.	DAY	TIME	CONTENT	MO.	DAY	TIME
23531	2	24	2400	19411	9	30	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 10 42	120 36 20	SE 22 27N 12E					JAN 1964-DATE	1964		4900.00	USCGS

Station located at toe of Antelope Dam on Indian Creek, 1.3 miles south of Boulder Creek Guard Station, 12 miles northeast of Genesee.

Antelope Dam was completed in July 1964; however, usable storage began on November 25, 1963. The lake has a usable capacity of 22,239 acre-feet between elevations 4950 feet (lip of intake tower) and 5002 feet (crest of spillway).

Daily content given is shown at 2400 hours.

Drainage area is 68.6 square miles.



TABLE B-13 (Cont.)

CONTENT OF RESERVOIRS  
(IN THOUSANDS OF ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A51141	LAKE OROVILLE NEAR OROVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1			41.8	167.5	400.7	1083.8	1501.7	1700.6	1713.2	1670.8	1645.3	1647.0	1
2			43.6 E	169.8	412.7	1101.5	1515.3	1700.1	1711.4	1669.3	1645.2	1644.8	2
3			45.6	171.6	424.5	1116.8	1526.7	1698.2	1709.4	1669.7	1644.9	1643.0	3
4			49.9	173.4	434.5	1275.5	1538.9	1693.9	1706.5	1667.2	1644.5	1643.1	4
5			58.5	175.3	444.3	1138.8	1551.9	1689.4	1705.8	1665.8	1644.4	1643.6	5
6			64.6	177.5	454.0	1150.5	1564.8	1686.1	1706.6	1664.5 E	1644.1	1644.7	6
7			71.1	180.2	465.9	1164.5	1577.2	1684.3	1708.8	1663.1 E	1645.2	1645.3	7
8			76.1	183.6	476.6	1180.2	1588.9	1684.7	1710.0	1661.7 E	1645.5	1646.3	8
9			80.3	187.9	487.1	1193.1	1599.1	1687.8	1710.9	1660.4	1646.4	1646.4	9
10			84.3	198.0	499.2	1206.1	1609.6	1694.1	1710.1	1659.2	1646.6	1648.2	10
11			88.1	205.0	510.0	1216.0	1619.6	1697.0	1710.4	1657.2	1647.0	1648.0	11
12			92.8	211.5	521.1	1228.3	1629.1	1698.6	1710.9	1656.2	1647.5	1649.2	12
13			98.4	216.2	533.9	1245.2	1638.1	1701.1	1711.4	1655.1	1648.4	1649.2	13
14		2.5	103.1	223.6	546.7	1260.4	1647.6	1705.1	1710.4	1653.7	1648.4	1648.8	14
15		7.5	107.6	258.2	559.0	1273.9	1657.1	1708.5	1709.1	1653.2	1649.1	1648.0	15
16		10.0	110.6	282.2	572.4	1290.8	1666.8	1711.5	1706.6	1652.6	1648.5	1649.4	16
17		12.4	113.1	299.4	597.6	1308.4	1673.8	1711.5	1702.1	1651.4	1648.1	1653.0	17
18		14.9	117.4	309.9	621.8	1323.8	1682.7	1711.6	1705.9	1651.4	1647.6	1655.9	18
19		18.6 E	121.9	317.2	645.2 E	1336.9	1686.0	1710.6	1704.6	1650.2	1648.4	1657.8	19
20		21.9	126.1	322.3	703.2	1348.8	1690.6	1714.2	1702.7	1648.8	1649.5	1659.2	20
21		24.2	131.0	326.8	771.5	1362.3	1693.7	1718.5	1697.1	1646.9	1651.7	1660.4	21
22		26.2 E	135.0	331.2 E	830.1	1373.9	1696.0	1719.3	1692.6	1646.0	1651.4	1661.6	22
23		28.2	138.9 E	335.3	885.5	1389.7	1695.7	1719.1	1688.7	1645.8	1649.4	1664.4	23
24		30.1	142.7 E	341.0	933.1	1402.4	1698.7	1718.6	1684.5	1646.2	1647.0	1668.2	24
25		32.1	146.7 E	345.6	969.8	1412.8	1698.9	1719.0	1683.3	1646.4	1645.2	1671.2	25
26		33.4	150.8	350.9	999.3	1425.8	1699.0	1718.5	1681.6	1646.7	1645.7	1674.2	26
27		34.6	155.3 E	355.2	1025.1	1431.9	1698.7	1718.1	1679.7	1644.8	1646.8	1677.0	27
28		35.8	158.4	359.1	1047.0	1404.5	1699.4	1717.3	1677.4	1644.8	1648.1	1678.0	28
29		37.9	160.5	367.5	1065.4	1453.0	1699.5	1717.6	1674.4	1645.3	1649.9	1677.9	29
30		39.8	162.5	381.5		1468.7	1699.4	1716.2	1671.5	1644.7	1648.7	1677.8	30
31			165.0	391.0		1485.3		1715.0		1644.5			31
CHNG		+39.8	+125.2	+226.0	+674.4	+419.9	+214.1	+15.6	-43.5	-27.0	+4.2	+29.1	CHNG
MAX.		39.8	165.0	391.0	1065.4	1485.3	1699.5	1719.3	1713.2	1670.8	1651.7	1678.0	MAX.
MIN.		0	41.8	167.5	400.7	1083.8	1501.7	1684.3	1671.5	1644.5	1644.1	1643.0	MIN.

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
1719.3		5	22	2400	0				

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 32 05	121 28 25	SW 1 19N 4E					NOV 1967-DATE	1967		0.47	USCGS

Station located on top of left abutment of Oroville Dam, on the Feather River, 4 miles northeast of Oroville. Lake Oroville has a normal gross storage capacity of 3,538,000 acre-feet at the normal maximum water surface elevation of 900 feet. The active operating storage capacity is 2,686,000 acre-feet above the elevation 640 feet (minimum power pool). Drainage area is 3,611 square miles. Storage began November 14, 1967.

TABLE B-13 (Cont.)

CONTENT OF RESERVOIRS  
(THOUSANDS OF ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1966	A65105	CAMP FAR WEST RESERVOIR NEAR SHERIDAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	NR	NR	NR	NR	NR	NR	105.2	101.8	96.1	71.9	44.7	19.7	1
2	NR	NR	NR	NR	NR	NR	105.3	101.5	95.5	70.9	43.8	19.2	2
3	NR	NR	NR	NR	NR	NR	105.2	101.1	94.8	70.0	42.9	18.8 E	3
4	NR	NR	NR	NR	NR	NR	105.2	100.6	94.2	69.2	42.0	18.3	4
5	NR	NR	NR	NR	NR	NR	105.1	99.8	93.6	68.3	41.3	17.9	5
6	NR	NR	NR	NR	NR	NR	105.2	99.9	92.9	67.5	40.4	17.5 E	6
7	NR	NR	NR	NR	NR	NR	105.1	99.6	92.3	66.7	39.5	17.1 E	7
8	NR	NR	NR	NR	NR	NR	105.1	98.9	91.5	66.0	38.5 E	16.7 E	8
9	NR	NR	NR	NR	NR	NR	104.9	98.2	90.9	65.2	37.6	16.3 E	9
10	NR	NR	NR	NR	NR	NR	105.2	97.5	90.2	64.3	36.7	15.9 E	10
11	NR	NR	NR	NR	NR	NR	105.2	96.9	89.5	63.6	35.9	15.6 E	11
12	NR	NR	NR	NR	NR	NR	105.7	96.8	89.0	62.6	35.1	15.3 E	12
13	NR	NR	NR	NR	NR	NR	105.5	96.7	88.3	61.8	34.3	15.0 E	13
14	NR	NR	NR	NR	NR	NR	105.4	96.7	87.6	61.0	33.5	14.6	14
15	NR	NR	NR	NR	NR	NR	105.3	96.7	86.7	60.1	32.9	14.4	15
16	NR	NR	NR	NR	NR	NR	105.2	96.6	85.9	59.2	32.1	14.1	16
17	NR	NR	NR	NR	NR	NR	105.0	96.6	85.1	58.3	31.3	13.9	17
18	NR	NR	NR	NR	NR	NR	105.1	96.6	84.3	57.5	30.5	13.7	18
19	NR	NR	NR	NR	NR	NR	105.4	96.5	83.3	56.6	29.6	13.5	19
20	NR	NR	NR	NR	NR	NR	105.6	96.7	82.5	55.6 E	28.7	13.4	20
21	NR	NR	NR	NR	NR	NR	105.6	96.9	81.5	54.8	27.8	13.3	21
22	NR	NR	NR	NR	NR	105.0	105.2	97.0	80.6	54.0	26.8	13.2	22
23	NR	NR	NR	NR	NR	105.2	104.5	97.2	79.7	53.2	25.8	13.1	23
24	NR	NR	NR	NR	NR	105.3	103.9	97.5	78.8	52.4	25.1	13.0	24
25	NR	NR	NR	NR	NR	105.4	103.5	98.2	77.8	51.5	24.3	12.9	25
26	NR	NR	NR	NR	NR	105.4	103.3	98.6	76.9	50.7	23.6	12.8	26
27	NR	NR	NR	NR	NR	105.3	103.0	98.9	75.9	49.7	22.9	12.7	27
28	NR	NR	NR	NR	NR	105.3	102.7	98.5	75.0	48.7	22.2	12.6	28
29	NR	NR	NR	NR	NR	105.2	102.4	98.0	74.0	47.7	21.5 E	12.5	29
30	NR	NR	NR	NR	NR	105.1	102.1	97.4	72.9	46.7	20.8 E	12.5	30
31	NR	NR	NR	NR	NR	105.0		96.7		45.7	20.2		31
CHNG.	NR	NR	NR	NR	NR	NR	-2.9	-5.4	-23.8	-27.2	-25.5	-7.2	CHNG.
MAX.	NR	NR	NR	NR	NR	NR	105.7	101.8	96.1	71.9	44.7	19.7	MAX.
MIN.	NR	NR	NR	NR	NR	NR	102.1	96.5	72.9	45.7	20.2	12.5	MIN.

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
105.7		4	12	2400	12.5		9	30	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 03 00	121 18 53	SW 21 14N 6E					MAR 1966-DATE	1966		0.00	USCGS

Station located near left abutment of Camp Far West Dam on the Bear River 6.4 miles east of Wheatland and 11.8 miles northwest of Sheridan. Camp Far West Reservoir, owned and operated by the South Sutter Irrigation District, began storage September 30, 1963. Station was installed March 1966, jointly by the South Sutter Irrigation District and the Department of Water Resources. The lake has a usable capacity of 139,600 acre-feet between the elevation 175.00 feet and 316.3 feet (top of spillway gate). Drainage area is 283 square miles. Daily content given is shown at 2400 hours.



TABLE B-13 (Cont.)

CONTENT OF RESERVOIRS

(IN THOUSANDS OF ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1967	A65105	CAMP FAR WEST RESERVOIR NEAR SHERIDAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	12.4	11.5	38.5	104.5	109.7	106.3	107.6	106.8	105.3	103.1	87.7	72.1	1
2	12.4	11.5	41.1	104.5	108.5	106.3	107.3	106.8	105.3	102.8	87.1	71.6	2
3	12.3	11.5	56.6	104.5	107.8	106.3	107.0	106.7	105.2	102.6	86.5	71.0	3
4	12.2	11.5	60.7	104.5	107.3	106.2	107.0	106.7	105.0	102.2	86.0	70.5	4
5	12.2	11.5	69.2	104.5	107.1	105.8	107.1	106.7	105.0	101.8	85.4	69.9	5
6	12.2	11.9	79.3	104.6	106.9	105.7	109.1	106.7	105.2	101.4	84.8	69.5	6
7	12.2	12.4 E	84.7	104.6	106.6	105.7	109.0	106.6	105.4	100.8	84.3	69.1	7
8	12.2	12.4 E	88.5	104.6	106.3	105.6	108.2	106.7	105.5	100.4	84.0	68.7	8
9	12.1	12.5 E	91.2	104.4	106.1	105.3	107.6	106.8	105.4	99.9	83.7	68.4	9
10	12.0 E	12.5 E	93.8	103.9	106.0	105.2	107.8	107.2	105.3	99.3	83.2	68.1	10
11	11.9	12.6 E	95.9	103.8	105.9	105.6	108.1	107.1	105.3	98.9	82.9	67.7	11
12	11.9	12.7 E	97.5	103.5	105.9	106.8	107.7	106.9	105.3	98.5	82.5	67.6	12
13	11.9	12.7 E	99.0	103.1	105.8	107.6	107.3	106.4	105.5	98.0	82.2	67.6	13
14	11.9	12.8	100.5	103.1	105.9	107.2	107.2	106.0	105.5	97.4	81.8	67.7	14
15	11.8	13.2	102.0	103.3	106.1	106.8	107.3	105.9	105.3	96.9	81.5	67.8	15
16	11.8	14.5	103.2	103.5	106.1	113.1	107.1	105.9	105.2	96.3	81.0	67.8	16
17	11.8	14.8	104.4	104.2	106.2	110.4	107.4	105.8	105.2	95.9	80.4	67.6	17
18	11.8	15.0	105.3	104.8	106.1	108.2	108.1	106.1	105.1	95.5	79.9	67.5	18
19	11.8	15.4	105.5	105.2	106.0	107.2	108.1	106.2	105.1	94.8	79.3	67.4	19
20	11.7	19.5	105.5	105.9	106.5	106.9	107.7	106.2	105.1	94.3	78.7	67.4	20
21	11.7	22.5	105.6	116.9	106.6	106.4	107.6	106.1	105.0	93.8	78.3	67.4	21
22	11.7	24.8	105.5	111.4	106.5	106.0	107.4	106.0	105.1	93.3	77.9	67.3	22
23	11.7	26.1	105.3	108.2	106.6	106.1	107.7	106.0	104.8	92.7	77.4	67.3	23
24	11.6	27.0	105.0	108.5	106.7	106.1	108.0	106.0	104.6	92.1	76.9	67.2	24
25	11.6	27.6	104.8	108.2	106.6	106.0	107.8	105.9	104.0	91.6	76.4	67.2	25
26	11.6	28.1	104.7	108.3	106.3	105.9	107.4	105.7	104.1	91.2	75.9	67.2	26
27	11.6	28.5	104.6	108.4	106.1	105.6	107.6	105.6	104.0	90.5	75.3	67.3	27
28	11.6	29.2	104.6	109.6	106.1	105.5	107.3	105.5	103.8	89.9	74.7	67.4	28
29	11.6	33.0	104.5	112.2	105.5	105.5	107.1	105.7	103.5	89.4	74.0	67.7	29
30	11.6	35.8	104.5	111.2	105.5	105.5	106.9	105.6	103.4	88.8	73.4	67.9	30
31	11.5		104.5	111.9	108.2	108.2		105.3		88.3	72.7		31
CHNG	-1.0	+34.3	+68.7	+7.4	-5.8	+2.1	-1.3	-1.6	-1.9	-15.1	-15.6	-4.8	CHNG
MAX.	12.4	35.8	105.6	116.9	109.7	113.1	109.1	107.2	105.5	103.1	87.7	72.1	MAX
MIN.	11.5	11.5	38.5	103.1	105.8	105.2	106.9	105.3	103.4	88.3	72.7	67.2	MIN

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
116.9		1	21	2400	11.5		10	31	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 03 00	121 18 53	SW 21 14N 6E					MAR 1966-DATE	1966		0.00	USCGS

Station located near left abutment of Camp Far West Dam on the Bear River 6.4 miles east of Wheatland and 11.8 miles northwest of Sheridan. Camp Far West Reservoir, owned and operated by the South Sutter Irrigation District, began storage September 30, 1963. Station was installed March 1966, jointly by the South Sutter Irrigation District and the Department of Water Resources. The lake has a usable capacity of 139,600 acre-feet between the elevation 175.00 feet and 316.3 feet (top of spillway gate). Drainage area is 283 square miles. Daily content given is shown at 2400 hours.

TABLE B-13 (Cont.)

CONTENT OF RESERVOIRS

(IN THOUSANDS OF ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A65105	CAMP FAR WEST RESERVOIR NEAR SHERIDAN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	68.1	69.7	74.8	83.7	100.5	106.4	105.9	95.6	76.6	50.4	21.8	6.0	1
2	68.7	69.7	75.0	83.8	101.8	106.4	106.1	94.4	75.9	49.5	21.1	5.8	2
3	69.7	69.5	75.5	83.8	103.5	106.1	106.1	93.5	75.1	48.6	20.4	5.5	3
4	70.1	69.5	76.4	84.0	104.4	106.1	106.1	92.6	74.3	47.6	19.7	5.2	4
5	70.0	69.5	77.9	84.0	105.1	106.1	106.1	91.4	73.5	46.5	19.0	4.9	5
6	70.1	69.5	78.2	84.2	105.3	106.1	106.1	90.5	72.9	45.5	18.3	4.7	6
7	70.1	69.5	79.2	84.2	105.3	105.9	105.9	89.7	72.2	44.5	17.6	4.5	7
8	70.1	69.5	79.6	84.3	105.9	105.9	105.9	88.8	71.6	43.4	16.9	4.2	8
9	70.1	69.5	80.0	84.5	106.1	106.4	105.9	88.0	70.9	42.4	16.2	4.0	9
10	70.1	69.7	80.1	85.4	106.4	106.4	105.5	87.1	70.1	41.6	15.5	3.8	10
11	70.1	69.8	80.4	85.8	106.4	106.4	105.3	86.2	69.4	40.6	14.7	3.6	11
12	70.1	69.8	80.6	86.2	105.9	106.4	105.3	85.4	68.7	39.7	13.9	3.7	12
13	70.1	69.8	80.8	86.4	105.5	106.8	105.3	85.0	67.8	38.8	13.3	3.7	13
14	70.1	70.0	80.9	86.5	105.3	107.4	105.3	84.5	67.1	37.9	12.8	3.7	14
15	70.1	70.3	81.1	89.7	105.1	107.4	105.3	84.0	66.4	36.9	12.3	3.8	15
16	70.1	70.5	81.3	90.5	105.1	108.1	105.1	83.7	65.6	36.0	11.8	3.8	16
17	70.1	70.6	81.4	91.1	106.4	108.1	105.3	83.2	64.7	34.9	11.3	3.8	17
18	70.1	70.9	81.6	91.4	106.1	107.7	105.1	82.9	63.9	33.9	10.8	3.7	18
19	70.1	71.4	81.7	91.6	107.9	107.4	104.8	82.4	62.8	33.0	10.3	3.6	19
20	70.0	71.6	81.9	91.8	109.8	107.0	104.4	82.1	61.8	32.2	9.9	3.5	20
21	70.0	71.8	82.1	92.0	109.6	107.0	103.8	81.6	60.8	31.3	9.7	3.5	21
22	70.0	72.1	82.2	92.2	108.5	106.8	103.5	81.3	59.7	30.4	9.4	3.4	22
23	69.8	72.2	82.4	92.4	108.3	106.8	102.9	80.9	58.6	29.6	9.2	3.4	23
24	69.8	72.4	82.5	92.6	107.9	106.8	102.1	80.4	57.5	28.7	8.8	3.3	24
25	69.8	72.6	82.7	92.7	107.4	106.6	101.2	80.1	56.3	27.7	8.6	3.3	25
26	69.8	72.7	82.9	92.9	107.0	106.1	100.3	79.8	55.5	26.7	8.1	3.2	26
27	69.8	72.9	83.0	93.1	106.8	105.9	99.3	79.5	54.5	25.7	7.4	3.1	27
28	69.8	73.2	83.2	93.3	106.6	105.7	98.4	79.0	53.4	24.9	6.8	3.0	28
29	69.7	73.5	83.3	93.5	106.4	105.7	97.4	78.4	52.4	24.1	6.6	2.8	29
30	69.7	74.3	83.5	98.4		105.7	96.5	77.9	51.4	23.4	6.3	2.7	30
31	69.7		83.5	99.7		105.7		77.2		22.6	6.1		31
CHNG	+1.8	+4.6	+9.2	+16.2	+6.7	-0.7	-9.2	-19.3	-25.8	-28.8	-16.5	-3.4	CHNG
MAX.	70.1	74.3	83.5	99.7	109.8	108.1	106.1	95.6	76.6	50.4	21.8	6.0	MAX.
MIN.	68.1	69.5	74.8	83.7	100.5	105.7	96.5	77.2	51.4	22.6	6.1	2.7	MIN.

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT		MO.	DAY	TIME	CONTENT		MO.	DAY	TIME
109.8		2	20	2400	2.7		9	30	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
39 03 00	121 18 53	SW 21 14N 6E					MAR 1966-DATE	1966		0.00	USCGS

Station located near left abutment of Camp Far West Dam on the Bear River 6.4 miles east of Wheatland and 11.8 miles northwest of Sheridan. Camp Far West Reservoir, owned and operated by the South Sutter Irrigation District, began storage September 30, 1963. Station was installed March 1966, jointly by the South Sutter Irrigation District and the Department of Water Resources. The lake has a usable capacity of 139,600 acre-feet between the elevation 175.00 feet and 316.3 feet (top of spillway gate). Drainage area is 283 square miles. Daily content given is shown at 2400 hours.



TABLE B-13 (Cont.)

CONTENT OF RESERVOIRS

(IN THOUSANDS OF ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A71120	FOLSOM LAKE NEAR FOLSOM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	795.5	731.6	659.7	551.6	599.7	719.5	654.5	687.0	774.1	691.0	553.7	545.3	1
2	792.9	728.8	658.9	548.7	602.3	713.4	657.0	689.7	775.1	686.3	553.0	544.1	2
3	792.4	727.3	657.5	547.8	606.9	706.8	658.7	692.3	776.2	681.1	551.0	543.7	3
4	792.2	724.3	656.8	546.3	608.8	700.0	660.9	696.3	777.2	674.3	548.7	544.0	4
5	791.5	721.1	660.3	544.9	610.6	693.7	663.2	698.8	777.4	666.7	546.1	544.4	5
6	790.3	718.1	659.1	543.7	612.7	686.0	664.5	701.8	778.5	660.3	545.6	545.7	6
7	788.8	716.9	658.2	541.8	614.7	678.1	664.5	704.8	777.2	652.2	544.6	545.9	7
8	786.5	715.1	655.8	539.8	616.2	672.7	665.1	707.6	775.8	645.0	543.2	545.4	8
9	783.6	713.8	652.5	539.5	618.3	667.7	666.5	710.6	773.1	640.6	542.7	544.3	9
10	782.7	712.5	648.6	542.6	620.9	662.4	668.9	713.7	771.0	635.2	541.7	545.1	10
11	780.5	710.5	643.8	544.9	621.6	657.2	670.8	716.4	769.4	630.8	541.1	546.0	11
12	778.1	708.1	640.1	546.2	623.9	652.2	673.3	717.5	767.6	626.0	540.0	547.7	12
13	775.6	706.4	635.7	546.7	624.2	647.4	675.5	720.8	765.5	620.5	539.1	548.8	13
14	772.2	704.1	630.8	546.7	624.5	645.6	677.0	723.2	764.6	614.2	539.0	550.1	14
15	768.0	701.7	626.5	555.8	625.0	644.4	678.8	726.3	763.0	608.8	538.8	549.6	15
16	764.2	698.1	621.4	566.7	626.2	644.8	681.2	729.6	759.0	604.8	538.6	549.2	16
17	761.3	692.5	615.9	571.6	632.8	646.4	683.3	733.0	755.3	601.0	538.6	550.4	17
18	757.9	686.8	608.8	574.5	643.3	647.8	685.0	736.3	751.3	598.3	537.8	551.6	18
19	753.7	682.4	603.9	576.6	652.7	648.0	787.0	738.0	748.3	596.4	537.6	552.5	19
20	748.9	679.0	599.0	578.1	685.1	648.2	787.9	740.5	745.8	593.1	538.6	553.5	20
21	745.2	676.2	594.3	578.5	710.0	647.9	686.9	744.5	741.4	589.7	540.0	553.5	21
22	741.3	673.6	590.4	579.7	721.1	647.4	686.2	747.9	736.9	586.2	541.0	552.2	22
23	739.4	670.5	586.8	581.3	732.2	647.8	686.1	751.3	731.5	583.2	541.7	551.5	23
24	739.2	667.2	581.7	581.3	740.7	647.0	684.8	754.6	726.8	580.5	542.4	552.3	24
25	739.0	665.4	576.3	582.1	740.8	646.5	684.0	757.9	722.8	577.7	542.1	551.9	25
26	739.0	663.7	570.8	582.7	737.9	647.4	683.7	759.2	718.8	573.9	541.4	552.4	26
27	738.3	662.6	567.1	584.1	734.3	648.3	683.5	761.9	715.3	570.0	542.6	552.8	27
28	738.0	661.1	563.8	584.6	729.8	649.0	683.5	764.6	710.7	565.3	543.7	552.7	28
29	737.7	660.0	559.7	584.4	724.5	650.0	682.6	768.0	704.3	561.0	544.9	552.0	29
30	735.9	660.0	556.7	591.2	724.5	651.0	684.3	770.3	696.8	558.0	546.0	551.4	30
31	734.1	660.0	554.1	596.4	724.5	651.9	684.3	772.4	696.8	555.5	546.6	551.4	31
CHNG	-64.5	-74.1	-105.9	+42.3	+128.1	-72.6	+32.4	+88.1	-75.6	-141.3	-8.9	+4.8	CHNG
MAX.	795.5	731.6	659.7	596.4	740.8	719.5	687.9	772.4	778.5	691.0	553.7	553.5	MAX.
MIN.	734.1	660.0	554.1	539.5	599.7	644.4	654.5	687.0	696.8	555.5	537.6	543.7	MIN.

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
795.5		10	1	2400	543.7		9	3	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 42 29	121 09 22	NE 24 10N 7E				FEB 1955-DATE	FEB 1955-DATE	1955		0.00	USCGS

Station located 0.7 miles below South Fork American River, 2.3 miles northeast of Folsom. Records furnished by USBR. Drainage area is 1,861 square miles (Revised).

Folsom Reservoir has a usable capacity of 1,010,300 acre-feet between elevations 205.5 feet (invert of lower tier of river outlets) and 466.0 feet (gross pool elevation), all of which is available for release. Spillway design flood pool elevation 475.4 feet (capacity 1,120,200 acre-feet).

Daily content given, representing usable content, is shown at 2400 hours.

TABLE B-13 (Cont.)

CONTENT OF RESERVOIRS  
(IN THOUSANDS OF ACRE-FEET)

WATER YEAR	STATION NO.	STATION NAME
1968	A91200	LAKE BERRYESSA NEAR WINTERS

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	1467.4	1434.2	1424.5	1431.4	1534.8	1601.5	1615.8	1595.0	1557.6	1512.9	1461.8	1416.2	1
2	1467.0	1433.1	1424.3	1431.4	1539.0	1602.3	1615.4	1593.8	1555.9	1511.4	1460.3	1414.9	2
3	1465.9	1432.5	1426.3	1431.1	1541.6	1602.7	1614.8	1592.5	1554.5	1509.7	1458.4	1413.4	3
4	1464.9	1431.4	1428.9	1431.1	1543.3	1603.4	1614.5	1591.3	1553.2	1508.5	1456.8	1411.8	4
5	1463.8	1430.7	1430.3	1430.9	1544.8	1603.6	1614.1	1590.3	1551.3	1506.8	1455.3	1410.5	5
6	1462.5	1430.3	1431.6	1430.7	1545.6	1603.8	1613.7	1588.8	1550.0	1505.1	1454.0	1408.9	6
7	1461.4	1430.0	1433.3	1430.3	1546.7	1604.8	1613.1	1588.0	1548.6	1503.3	1452.5	1408.1	7
8	1460.1	1429.4	1434.0	1430.5	1547.5	1605.0	1612.7	1586.3	1547.5	1501.9	1450.8	1406.5	8
9	1458.8	1428.1	1434.0	1430.9	1548.3	1605.4	1612.5	1585.3	1546.0	1500.3	1449.2	1404.8	9
10	1457.7	1427.8	1433.8	1442.7	1548.8	1605.4	1611.9	1583.8	1544.6	1498.8	1447.5	1403.0	10
11	1456.2	1427.0	1433.6	1443.8	1549.4	1605.4	1611.6	1582.3	1543.7	1496.9	1446.0	1401.9	11
12	1454.7	1426.5	1433.5	1444.4	1550.0	1609.4	1611.2	1580.7	1542.2	1495.2	1444.7	1400.3	12
13	1453.4	1426.3	1432.5	1445.5	1550.2	1612.7	1610.4	1580.0	1540.9	1493.5	1442.7	1398.8	13
14	1451.4	1426.5	1431.8	1450.3	1550.4	1615.8	1610.0	1579.0	1539.5	1491.6	1441.0	1397.5	14
15	1450.5	1426.5	1430.7	1458.6	1551.1	1616.6	1609.2	1578.2	1538.4	1489.8	1439.6	1395.7	15
16	1449.2	1426.3	1430.7	1461.4	1553.6	1624.9	1608.3	1577.3	1537.2	1488.2	1438.1	1393.3	16
17	1447.9	1425.9	1431.6	1462.3	1560.1	1626.3	1607.1	1576.3	1535.7	1486.8	1436.2	1392.3	17
18	1446.6	1425.9	1431.6	1462.9	1562.2	1626.3	1606.3	1575.2	1534.2	1485.3	1434.9	1390.4	18
19	1445.5	1425.7	1432.0	1462.9	1571.5	1625.3	1605.6	1574.0	1532.5	1483.2	1433.5	1389.3	19
20	1444.4	1425.6	1432.0	1463.6	1580.5	1624.3	1604.8	1572.7	1531.2	1482.3	1432.2	1387.5	20
21	1443.1	1424.8	1432.2	1463.6	1587.5	1623.8	1603.8	1571.2	1529.7	1480.4	1431.6	1385.7	21
22	1442.0	1424.3	1432.5	1463.8	1591.1	1622.8	1602.9	1570.0	1528.1	1478.7	1430.3	1384.3	22
23	1441.0	1424.1	1432.5	1464.8	1593.8	1622.2	1602.1	1568.7	1526.6	1477.2	1429.1	1382.8	23
24	1440.1	1424.1	1432.2	1464.8	1595.4	1621.4	1601.5	1567.5	1524.6	1475.6	1427.4	1381.2	24
25	1439.2	1423.5	1432.2	1464.8	1596.7	1620.7	1600.7	1566.4	1523.2	1474.1	1426.3	1379.5	25
26	1438.6	1423.0	1432.5	1465.1	1597.7	1619.5	1599.6	1565.0	1521.5	1472.6	1425.0	1378.3	26
27	1438.1	1423.0	1432.5	1465.1	1599.0	1618.7	1598.4	1563.9	1519.6	1470.9	1423.4	1377.0	27
28	1437.0	1422.8	1432.4	1465.1	1600.2	1618.1	1598.0	1562.4	1518.3	1469.0	1422.1	1375.5	28
29	1435.9	1424.3	1432.4	1507.0	1600.5	1617.6	1597.1	1561.0	1515.5	1467.2	1420.8	1374.1	29
30	1435.1	1424.5	1432.2	1527.2	1600.5	1617.2	1596.1	1559.9	1514.4	1465.7	1419.5	1372.7	30
31	1434.6	1423.5	1431.8	1531.9	1600.5	1616.4	1595.4	1558.4	1514.4	1463.8	1417.8	1372.7	31
CHNG	-33.9	-10.1	+7.3	+100.1	+68.6	+15.9	-20.3	-37.7	-44.0	-50.6	-46.0	-45.1	CHNG
MAX.	1467.4	1434.2	1434.0	1531.9	1600.5	1626.3	1615.8	1595.0	1557.6	1512.9	1461.8	1416.2	MAX.
MIN.	1434.6	1422.8	1424.3	1430.3	1534.8	1601.5	1596.1	1558.4	1514.4	1463.8	1417.8	1372.7	MIN.

WATER YEAR SUMMARY

MAXIMUM					MINIMUM				
CONTENT	GAGE HT.	MO.	DAY	TIME	CONTENT	GAGE HT.	MO.	DAY	TIME
1626.3		3	17	2400	1372.7		9	30	2400

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38 30 50	122 06 15	NW 29 8N 2W					JAN 1957-DATE	1957		0.00	USCGS

Station located near center of Monticello Dam on Putah Creek, 7.4 miles west of Winters. Records furnished by USBR. Drainage area is 566 square miles.

Lake Berryessa has a usable capacity of 1,592,000 acre-feet between elevations 253.25 feet (invert of outlet valves) and 440 feet (controlled spillway elevation). Not available for release is 10,340 acre-feet.

Daily content given is shown at 2400 hours.



TABLE B-14

DAILY INFLOW

This table presents the daily inflow rates to Folsom, Shasta, and Whiskeytown Lakes. The daily inflow rates were computed from information about changes in storage, releases, spills, precipitation, and evaporation. The computed values represent the flow at each damsite as if the dam did not exist.

TABLE B-14 (Cont.)  
DAILY INFLOW  
(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A21051	SHASTA LAKE NEAR REDDING

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	3050	4090	4920	3260	6590	14700	9710	5990	6020	5460	4450	1800	1
2	3750	5060	6180	4180	7870	13420	10280	5750	5320	3670	3900	3900	2
3	5540	3750	7390	4270	6960	12480	7820	5320	5250	5470	1560	2950	3
4	3860	3500	10680	4620	9020	11040	10000	5560	4350	3360	3810	4310	4
5	4660	2650	8630	5230	9970	12460	9570	5950	6520	4920	3400	4410	5
6	4150	3900	6430	3570	8840	10640	6940	5880	5310	2580	3500	5260	6
7	4840	4140	5600	2630	9230	12330	9480	7050	5450	1660	3490	4740	7
8	2060	2940	5770	4100	8350	10440	8410	4230	4550	2950	4610	2120	8
9	3730	5610	4110	7880	10090	10400	7450	4400	5530	5140	3590	3480	9
10	5830	2850	4880	5370	11770	9670	8490	5580	5260	4360	3000	4480	10
11	5480	5860	5160	4890	10710	8840	8790	4720	5050	2800	3000	5660	11
12	3660	2660	4510	5960	9630	12500	8790	5020	4420	3590	3930	5060	12
13	4250	4190	4450	6080	6720	12250	8340	7080	5450	2820	3050	4560	13
14	4300	6230	5360	10050	10270	14440	8150	5540	4280	1870	4780	1600	14
15	5660	4800	4160	15560	8710	15070	7440	7170	4760	3440	4990	2260	15
16	3870	3790	3030	12320	11330	20910	7440	5690	2570	4870	3550	3280	16
17	4390	4120	3510	9500	23150	19110	8140	6400	4380	4690	2570	4970	17
18	4550	3660	4360	7750	19660	16040	6760	6380	3560	3450	2090	3750	18
19	4590	4000	4330	7000	21070	13240	6820	6180	5160	2020	4630	5210	19
20	4610	4220	3940	5560	25620	11380	4290	6450	6020	2740	6330	4270	20
21	3670	4280	4800	5160	43530	11590	4550	6060	5600	2250	4900	4720	21
22	4510	3720	6260	6560	44320	10800	6460	6670	1590	3620	3610	2700	22
23	5350	4770	4170	7160	48380	9920	7330	5870	920	4650	4030	4090	23
24	3280	4340	2940	6160	38300	10000	5940	7320	1940	4590	3750	3820	24
25	4940	3250	3550	7520	30060	10790	6940	6160	4080	3520	2530	4030	25
26	4200	4390	4200	7010	25520	10410	6370	5900	3050	2690	3560	3800	26
27	4740	4190	5860	5370	21330	10000	4070	5790	3650	2710	6010	3200	27
28	3250	4800	4610	6720	18980	10660	7840 B	6030	4100	2010	5070	3580	28
29	5040 A	6150	6310	10910	16720	10520	5890	5290	1200	3910	3010	3020	29
30	4330	5450	6450	7530		9250	5890	7290	1240	4090	4690	3300	30
31	3830		3730	9050		10620		5340		3340	2770		31
MEAN	4322	4245	5170	6740	18024	12126	7480	5937	4219	3524	3812	3811	MEAN
MAX.	5830	6230	10680	15560	48380	20910	10280	7320	6520	5470	6330	5660	MAX.
MIN.	2060	2650	2940	2630	6590	8840	4070	4230	920	1660	1560	1600	MIN.
AC. FT.	226140	252610	317910	414410	1036760	745630	444420	365080	251070	216670	234370	226770	AC. FT.

WATER YEAR SUMMARY

MEAN INFLOW	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
6,591											4,771,840

A - 25-Hour Day  
B - 23-Hour Day

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 43 10	122 25 10	NW 15 33N 5W				NOV 1942-DATE	NOV 1942-DATE	1942		0.00	USCGS

The figures contained herein are computed inflow to Shasta Lake and take into account change in storage, release, spill, precipitation, and evaporation. They are representative of the natural flow which would pass the damsite (9.5 miles north of Redding) if the dam had not been constructed. Records furnished by USBR. Drainage area, excluding Goose Lake Basin, is 6,665 square miles.

Shasta Lake has a usable capacity of 4,377,000 acre-feet between elevations 737.75 and 1065.0 feet above mean sea level. Not available for release, 115,700 acre-feet.



TABLE B-14 (Cont.)

DAILY INFLOW

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A36171	WHISKEYTOWN LAKE NEAR WHISKEYTOWN

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	2462	2550	1446	1324	923	1643	936	3504	3743	3918	3999	1280	1
2	2909	1526	1720	1313	1296	1509	776	3775	3777	3867	4017	1296	2
3	2748	1412	1713	1288	1260	1424	753	3869	3861	3739	4012	1021	3
4	2691	1315	2171	1299	1231	1377	806	3752	3847	3910	3994	995	4
5	2511	1380	1726	1084	1236	1351	874	3705	3794	3964	3994	971	5
6	2502	1124	1644	955	1295	1328	824	3732	3742	3988	4010	1008	6
7	2574	1428	1569	903	1343	1286	880	3668	3809	3997	3993	983	7
8	2576	1361	1507	957	1378	1247	871	3682	3810	3938	4034	1063	8
9	2601	1213	1477	1115	1298	1273	1199	3784	3736	3967	4011	1033	9
10	2578	1207	1441	1269	1301	1199	1264	3762	3758	3965	4016	1007	10
11	2605	1224	1411	955	1266	1135	1262	3737	3786	3961	3987	1054	11
12	2522	1330	1509	929	1276	1465	1382	3819	3702	3928	3999	1099	12
13	2436	1477	1475	1201	1230	1447	1524	3924	3759	3988	3984	1081	13
14	2493	1531	1454	1853	1211	1420	1378	3778	3782	3937	3999	888	14
15	2571	1308	1444	1848	1194	1339	1570	3763	3836	3954	3974	776	15
16	2641	1287	1459	1390	1469	1403	1899	3796	3877	3967	3962	830	16
17	2571	1347	1485	1177	2330	1291	2526	3700	3892	3972	3107	918	17
18	2642	1489	1555	1169	1822	963	2874	3911	3899	3971	3076	895	18
19	2616	1330	1419	1069	2323	1043	3501	3774	3939	3975	2993	924	19
20	2623	1187	1335	994	3207	1049	3522	3878	3910	3971	1956	937	20
21	2573	1234	1529	1020	3253	722	3581	3897	3954	3968	1412	955	21
22	2564	1246	1419	1031	4109	930	3523	3721	3850	3973	1279	979	22
23	2638	1344	1379	1056	4186	873	3542	3701	3807	3979	1369	960	23
24	2558	1352	1290	1022	3515	857	3509	3796	3805	3999	1379	988	24
25	2628	1336	1305	1008	2798	817	3515	3897	3814	4023	1265	1213	25
26	2849	1375	1367	973	2168	813	3514	3821	3844	4006	1483	1004	26
27	2622	1429	1357	937	1842	751	3544	3752	3851	3997	1405	654	27
28	2536	1414	1327	1183	1665	770	3528 B	3821	3852	4004	1317	598	28
29	2604 A	1585	1419	1386	1641	760	3510	3702	3910	4015	1306	560	29
30	2591	1503	1334	1152		807	3490	3787	3934	3987	1292	852	30
31	2510		1384	1066		778		3740		4035	1358		31
MEAN	2598	1395	1486	1159	1901	1131	2196	3773	3829	3963	2903	961	MEAN
MAX.	2849	2550	2171	1853	4186	1643	3581	3924	3954	4035	4034	1296	MAX.
MIN.	2462	1124	1290	903	923	722	753	3504	3702	3739	1265	560	MIN.
AC. FT.	159970	83000	91380	71260	109340	69560	130370	231960	227860	243700	178480	57170	AC. FT.

WATER YEAR SUMMARY

MEAN INFLOW	MAXIMUM					MINIMUM					TOTAL ACRE FEET
	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	
2,285											1,654,050

A - 25-Hour Day  
B - 23-Hour Day

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
40 37 03	122 31 31	32N 6W				MAY 1963-DATE	MAY 1963-DATE	1963		0.00	USCGS

The figures contained herein are computed inflow to Whiskeytown Reservoir and take into account change in storage, release, spill, precipitation, and evaporation. Records furnished by USBR. Drainage area is 200 square miles.

Whiskeytown Reservoir has a usable capacity of 241,100 acre-feet between elevations 1100.0 feet and 1210.0 feet above mean sea level. Not available for release, 27,500 acre-feet.

TABLE B-14 (Cont.)

DAILY INFLOW

(IN CUBIC FEET PER SECOND)

WATER YEAR	STATION NO.	STATION NAME
1968	A71121	FOLSOM LAKE NEAR FOLSOM

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	610	1590	3220	1300	3670	5040	4450	3520	2580	1200	1110	555	1
2	914	1580	2720	1190	3570	4520	4300	3510	2270	1930	1700	599	2
3	1860	2070	2700	2250	4280	4280	3920	3440	2290	1800	1170	999	3
4	2040	1490	3120	1970	3020	4090	4190	3730	2720	1340	1000	1330	4
5	1870	1530	5350	1990	2980	4400	4090	3150	2280	1060	838	1480	5
6	1560	1530	3510	1410	3130	3700	3580	3050	2790	1730	1620	1670	6
7	1510	2430	4050	1190	3090	3460	2950	3160	2180	809	1380	1440	7
8	1050	2030	3450	1130	3000	4610	3230	2930	2160	1170	1180	848	8
9	787	2220	3060	1920	3250	3770	3620	2930	1500	1380	1600	744	9
10	1780	2250	2700	3530	3530	3250	4110	2930	1880	1120	1130	1580	10
11	1520	2010	2350	3220	2530	3190	3990	2800	2190	1480	1430	1650	11
12	1570	1790	2880	2700	3210	2860	4180	1960	2080	1290	1140	2020	12
13	1510	2090	2490	2260	2190	3120	3860	3010	1690	932	1210	1760	13
14	1150	1750	2340	2210	2310	4040	3550	2460	2020	648	1500	1730	14
15	641	1690	2510	6570	2440	4260	3720	2690	1920	909	1380	928	15
16	901	1600	2180	7470	2750	4830	3860	2850	1160	1080	1400	1020	16
17	1310	1480	1720	4470	5500	4770	3670	2970	1550	1100	1460	1820	17
18	1060	1620	1090	3590	7420	4250	3530	2800	1710	1390	1010	1760	18
19	844	2340	1990	3160	7170	3830	3580	2070	1940	1670	1370	1710	19
20	727	2270	2370	2840	19340	3650	3070	2380	2250	1060	1730	1670	20
21	1040	2330	2420	2390	17300	3410	2230	3030	1530	978	1590	1250	21
22	767	2500	2260	2720	13290	3330	2320	2860	1670	878	1510	508	22
23	1800	2000	2120	2940	13090	3270	2610	2880	1240	1140	1580	835	23
24	2430	1740	1510	2040	11900	2680	1980	2770	1430	1190	1710	1580	24
25	2520	2600	1160	2540	8380	2800	2270	2780	1610	1220	982	1080	25
26	2540	2630	1330	2410	6970	3540	2550	1770	1800	1280	748	1500	26
27	2220	2910	2030	2780	6140	3520	2630	2540	2160	1190	1870	1380	27
28	2370	2580	2300	2340	5720	3460	2650 B	2620	2030	660	1880	1170	28
29	2470 A	2920	2030	2060	5110	3580	2230	2930	1020	863	1820	767	29
30	1850	3430	2050	5560		3580	3020	2300	738	1100	1810	928	30
31	1650		1680	4470		3600		2230		1140	1560		31
MEAN	1512	2100	2474	2859	6079	3764	3331	2808	1880	1185	1401	1277	MEAN
MAX.	2540	3430	5350	7470	19340	5040	4450	3730	2790	1930	1880	2020	MAX.
MIN.	610	1480	1090	1130	2190	2860	1980	1770	738	648	748	508	MIN.
AC. FT.	93170	124960	152110	175780	349650	231450	198010	172660	111840	72870	86120	75990	AC. FT.

WATER YEAR SUMMARY

MEAN INFLOW	MAXIMUM					MINIMUM					TOTAL
2,548	DISCHARGE	GAGE HT.	MO.	DAY	TIME	DISCHARGE	GAGE HT.	MO.	DAY	TIME	ACRE FEET
											1,844,610

A - 25-Hour Day  
B - 23-Hour Day

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R. M.D.B.&M.	OF RECORD			INFLOW	CONTENT	PERIOD		ZERO ON GAGE	REF. DATUM
			CFS	GAGE HT.	DATE			FROM	TO		
38 42 29	121 09 22	NE 24 10N 7E				FEB 1955-DATE	FEB 1955-DATE	1955		0.00	USCGS

The figures contained herein are computed inflow to Folsom Reservoir and take into account change in storage, release, spill, precipitation, and evaporation. They are representative of the natural flow which would pass the damsite (2.3 miles northeast of Folsom) if the dam had not been constructed. Records furnished by USBR. Drainage area is 1,861 square miles (Revised).



TABLE B-15

CORRECTIONS AND REVISIONS TO  
PREVIOUSLY PUBLISHED REPORTS

Corrections and revisions pertain to bulletins of surface water flows published from 1924 to date.

These publications are:

Report 1. "Report of Sacramento-San Joaquin Water Supervision". Published from 1924 through 1955.

Report 2. Bulletin No. 23, "Surface Water Flow". Published from 1956 through 1962.

Report 3. "Flood Flows and Stages in Sacramento and Northern San Joaquin Valleys". Published from 1913 through 1956.

Report 4. Bulletin No. 130, "Hydrologic Data: Volume II: Northeastern California". Published from 1963 to date.

Corrections and revisions to surface water data made prior to preparation of this report are included in Bulletin No. 130-67, "Hydrologic Data: Volume II: Northeastern California". This report contains corrections made since publication of Bulletin No. 130-67.

TABLE B-15

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

Location of Error or Revision				Change or Revision																														
Report	Page	Mile & Bank	Name	Item	From	To																												
4	286		Mokelumne River near Thornton	<u>1965</u> Datum of Gage	1964, -3.00 USCGS	1964, 0.00 USCGS																												
4	151		Sacramento River	<u>1966</u> Total Diversion, Sacramento to Redding	104,148 Acre-Feet	1,041,478 Acre-Feet																												
4	245, 246		Sacramento River at Collinsville	Datum of Gage		<table border="1"> <thead> <tr> <th colspan="4">Datum of Gage</th> </tr> <tr> <th colspan="2">Period</th> <th>Zero</th> <th>Ref.</th> </tr> <tr> <th>From</th> <th>To</th> <th>on Gage</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>1929</td> <td></td> <td>0.00</td> <td>USED</td> </tr> <tr> <td></td> <td></td> <td>-3.05</td> <td>USCGS</td> </tr> <tr> <td>1964</td> <td></td> <td>-3.54</td> <td>USCGS</td> </tr> <tr> <td>1964</td> <td></td> <td>-3.00</td> <td>USCGS</td> </tr> </tbody> </table>	Datum of Gage				Period		Zero	Ref.	From	To	on Gage	Datum	1929		0.00	USED			-3.05	USCGS	1964		-3.54	USCGS	1964		-3.00	USCGS
Datum of Gage																																		
Period		Zero	Ref.																															
From	To	on Gage	Datum																															
1929		0.00	USED																															
		-3.05	USCGS																															
1964		-3.54	USCGS																															
1964		-3.00	USCGS																															
4	264		Mokelumne River near Thornton	<u>1967</u> Datum of Gage	1964, -3.00 USCGS	1964, 0.00 USCGS																												
4	296		Sacramento River at Collinsville	Datum of Gage		<table border="1"> <thead> <tr> <th colspan="4">Datum of Gage</th> </tr> <tr> <th colspan="2">Period</th> <th>Zero</th> <th>Ref.</th> </tr> <tr> <th>From</th> <th>To</th> <th>on Gage</th> <th>Datum</th> </tr> </thead> <tbody> <tr> <td>1929</td> <td></td> <td>0.00</td> <td>USED</td> </tr> <tr> <td></td> <td></td> <td>-3.05</td> <td>USCGS</td> </tr> <tr> <td>1964</td> <td></td> <td>-3.54</td> <td>USCGS</td> </tr> <tr> <td>1964</td> <td></td> <td>-3.00</td> <td>USCGS</td> </tr> </tbody> </table>	Datum of Gage				Period		Zero	Ref.	From	To	on Gage	Datum	1929		0.00	USED			-3.05	USCGS	1964		-3.54	USCGS	1964		-3.00	USCGS
Datum of Gage																																		
Period		Zero	Ref.																															
From	To	on Gage	Datum																															
1929		0.00	USED																															
		-3.05	USCGS																															
1964		-3.54	USCGS																															
1964		-3.00	USCGS																															
4	296		Sacramento River at Collinsville	Daily Maximum and Minimum Tides		<u>Notation:</u> In order to machine process the data, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain gage heights.																												
4	312		Suisun Bay at Benicia	Daily Maximum and Minimum Tides		<u>Notation:</u> In order to machine process the data, it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain gage heights.																												





Appendix C

GROUND WATER MEASUREMENTS



THE UNIVERSITY OF CHICAGO  
PRESS

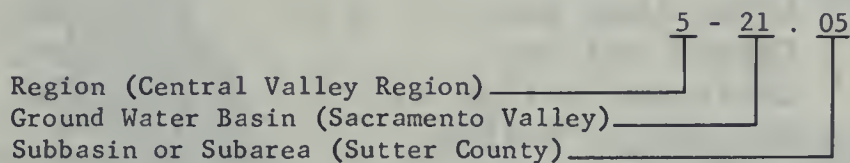
INTRODUCTION

This appendix contains ground water level measurements from 2,397 wells for the period October 1, 1967, through September 30, 1968. It contains hydrographs of selected wells and tables which summarize the measurements.

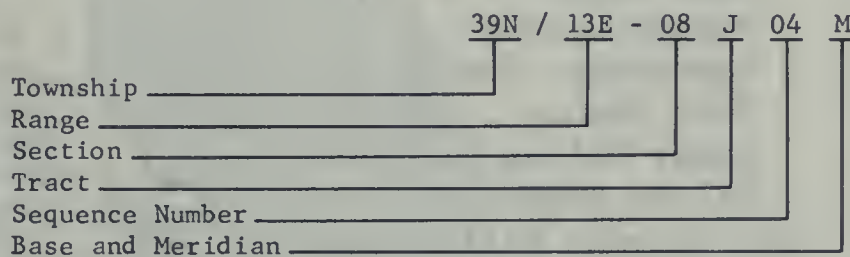
There are 38 ground water basins or areas in the Northern Central Valley Region and the Northern Lahontan Region for which data are reported. Wells are selected to reflect the ground water conditions of the area. These wells are continuously reviewed, and when conditions dictate, replacement wells are located and measured.

Two numbering systems are used by the Department to facilitate processing of water level measurement data. The two systems are the Region and Basin Designation and the State Well Numbering System as described below.

The regions used in this report are geographic areas defined in Section 13040 of the Water Code. That portion of Northern California covered by this report comprises the northern portions of Central Valley Region No. 5 and Lahontan Region No. 6. A decimal system of the form 0-00.00 has been selected according to geographic regions, ground water basins, and subbasins or subareas as follows:



The State Well Numbering System is based on township, range, and section subdivisions of the public land survey. The number of a well, assigned in accordance with this system, is referred to as the State Well Number, as illustrated below:



This number identifies and locates the well. In the example, the well is in Township 39 North, Range 13 East, Tract J of Section 8, located in the Mount Diablo Base and Meridian. A section is divided into 40-acre tracts as follows:

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

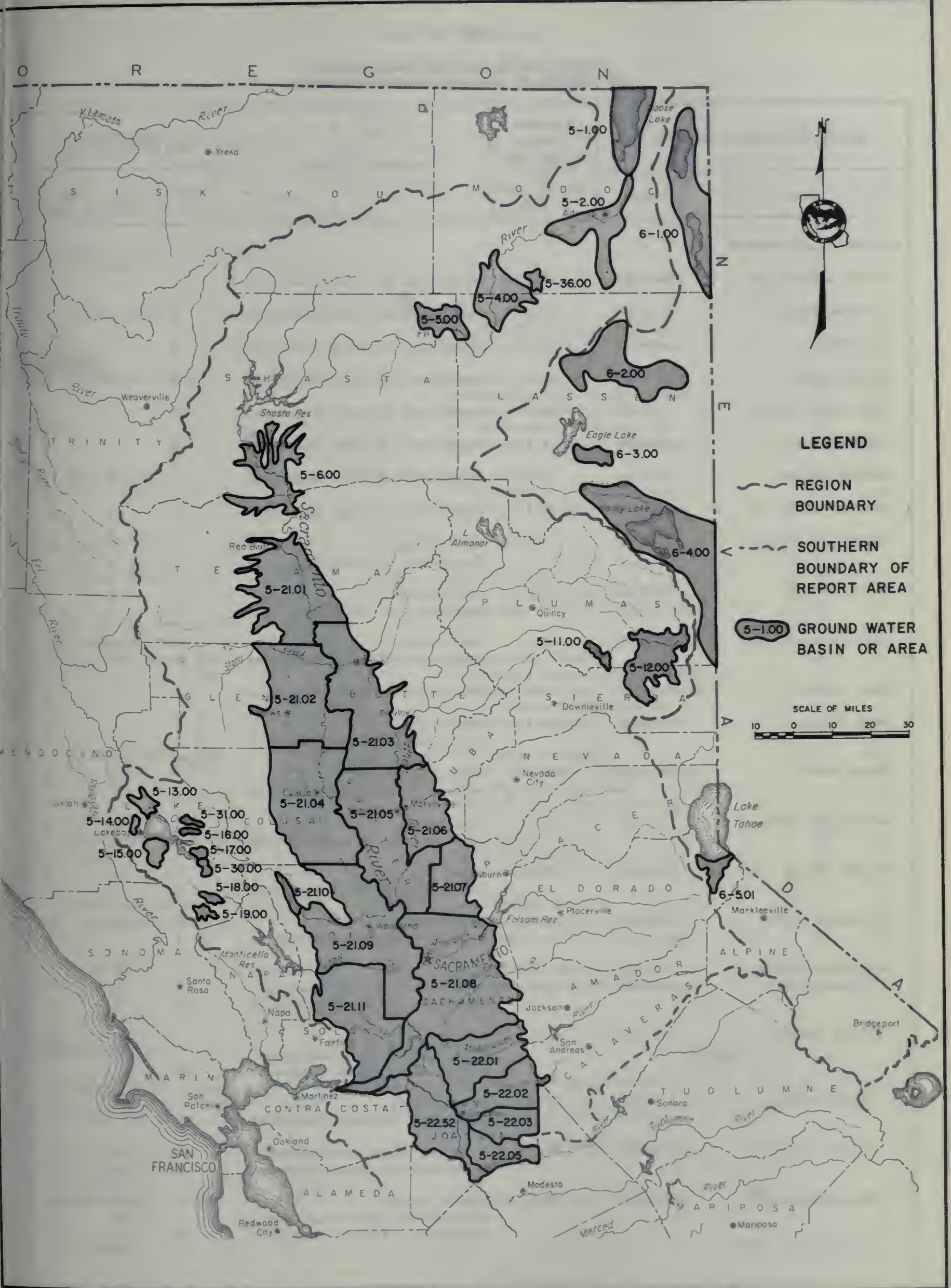
Sequence numbers in a tract are generally assigned in chronological order. The example designates the fourth well to be assigned a number in Tract J.



INDEX TO  
GROUND WATER BASINS OR AREAS  
IN NORTHEASTERN CALIFORNIA

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5-12.00	Sierra Valley . . . . .	342
5-13.00	Upper Lake Valley . . . . .	343
5-14.00	Scott Valley . . . . .	344
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GROUND WATER BASINS IN NORTHEASTERN CALIFORNIA



TABLE C-1

AVERAGE CHANGE OF GROUND WATER LEVELS  
AND SUMMARY OF WELL MEASUREMENTS REPORTED

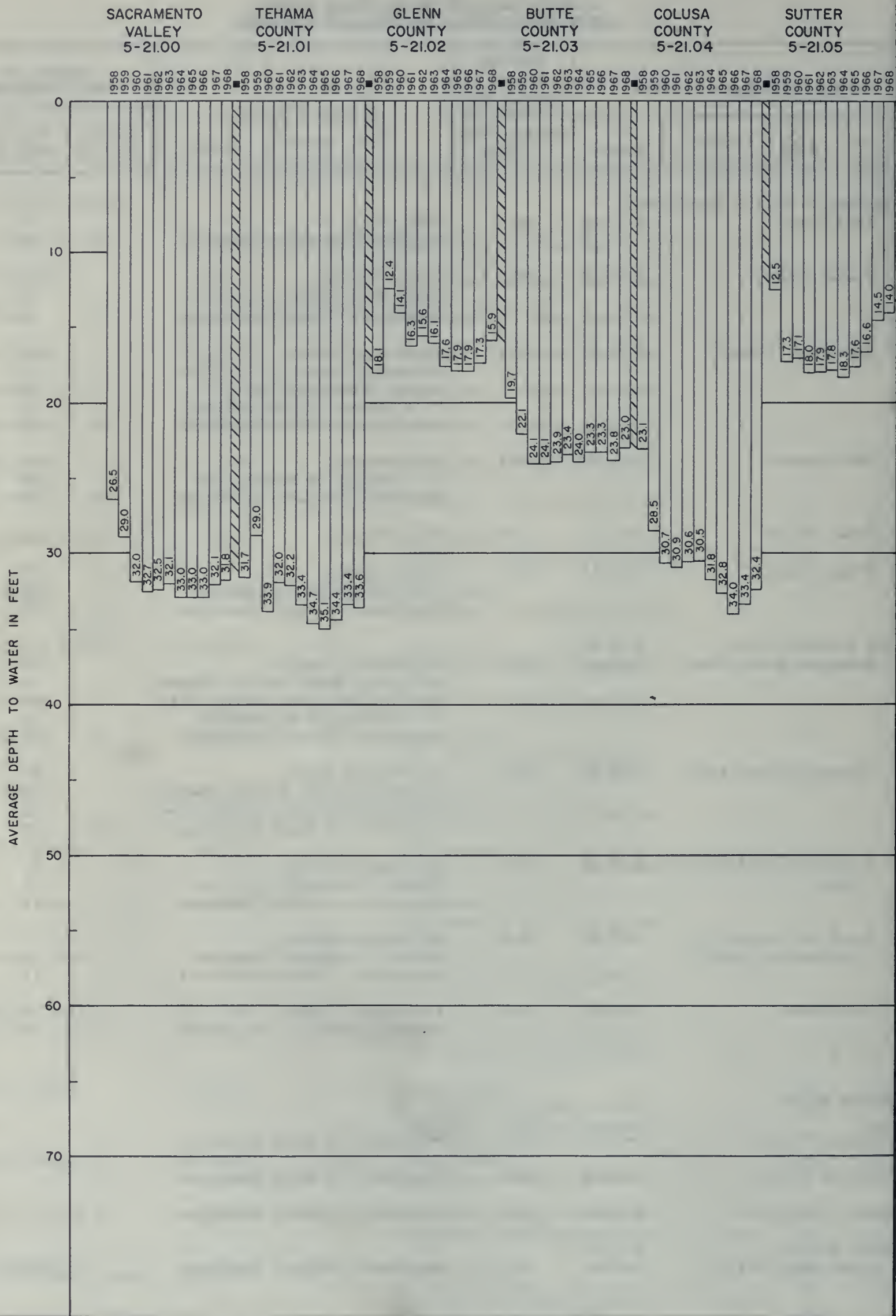
Ground Water Basin or Area		Average Change Spring 1967 to Spring 1968 in feet	Measuring Agency	Number of Wells Reported		
Name	Number			Monthly 1967-68	Fall 1967	Spring 1968
CENTRAL VALLEY REGION						
Goose Lake Valley	5-01.00	+3.9	Department of Water Resources	2		
Alturas Basin	5-02.00	+0.3	Department of Water Resources	6		
Big Valley	5-04.00	+2.1	Department of Water Resources	5		
Round Valley	5-36.00	-0.6	Department of Water Resources	3		
Fall River Valley	5-05.00	+0.2	Department of Water Resources	3		
Redding Basin	5-06.00	-1.7	Department of Water Resources	8		
Mohawk Valley	5-11.00	0.0	Department of Water Resources		2	2
Sierra Valley	5-12.00	-0.7	Department of Water Resources	6	41	40
Upper Lake Valley	5-13.00	-0.7	Lake County Department of Water Resources	3	17 4	20 4
Scott Valley	5-14.00	-0.7	Lake County Department of Water Resources	2	8 1	9 1
Kelseyville Valley	5-15.00	-0.5	Lake County Department of Water Resources	4	56 11	59 11
Long Valley	5-31.00	-1.5	Department of Water Resources		2	2
High Valley	5-16.00	+4.5	Lake County Department of Water Resources	1	5	5
Burns Valley	5-17.00	+0.2	Lake County Department of Water Resources	1	2	2
Lower Lake Area	5-30.00	-2.7	Lake County Department of Water Resources	1	2	2
Coyote Valley	5-18.00	-0.4	Lake County Department of Water Resources	1	8	8
Collayomi Valley	5-19.00	+0.4	Lake County Department of Water Resources	1	13	13
Sacramento Valley	5-21.00					
Tehama County	5-21.01	-0.2	U. S. Bureau of Reclamation Department of Water Resources	13	5 71	5 70
Glenn County	5-21.02	+1.4	Glenn County U. S. Bureau of Reclamation Department of Water Resources	13	116 25	116 25
Butte County	5-21.03	+0.8	Butte County Department of Water Resources	14	132	132
Colusa County	5-21.04	+1.0	U. S. Bureau of Reclamation Department of Water Resources	9	36 42	34 44
Sutter County	5-21.05	+0.5	Sutter County South Sutter Water District Department of Water Resources	18	110 26 9	109 26 11

TABLE C-1 (Continued)

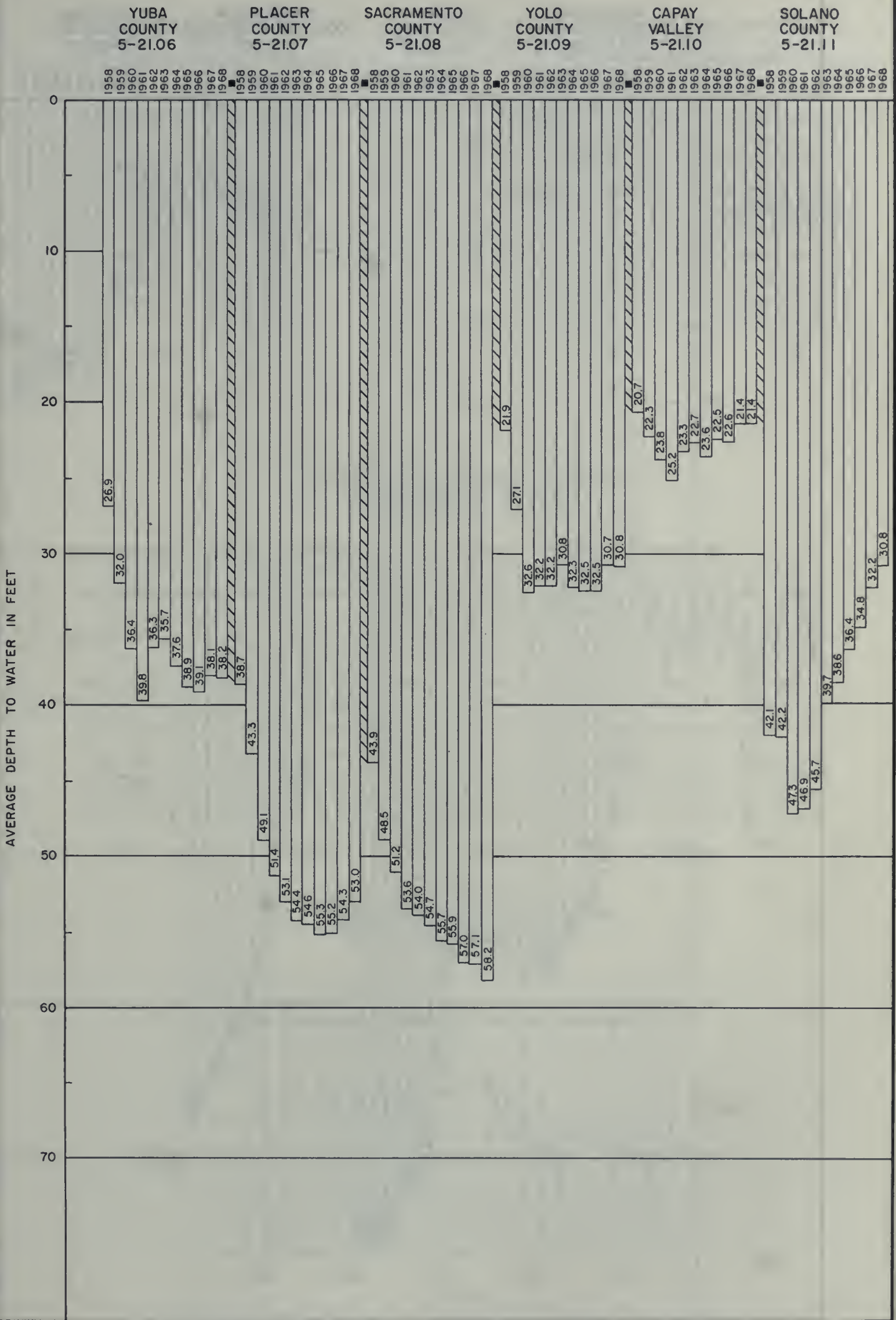
AVERAGE CHANGE OF GROUND WATER LEVELS  
AND SUMMARY OF WELL MEASUREMENTS REPORTED

Ground Water Basin or Area		Average Change Spring 1967 to Spring 1968 in feet	Measuring Agency	Number of Wells Reported		
Name	Number			Monthly 1967-68	Fall 1967	Spring 1968
Sacramento Valley (Continued)						
Yuba County	5-21.06	-0.1	Yuba County Department of Water Resources	9	74 20	76 16
Placer County	5-21.07	+1.3	Placer County South Sutter Water District Department of Water Resources	7	87 2 2	85 2 12
Sacramento County	5-21.08	-1.1	Sacramento County Sacramento Muni. Utility Dist. Arcade Water District U. S. Bureau of Reclamation Department of Water Resources	18	106 18 29 99 75	106 18 40 97 75
Yolo County	5-21.09	-0.1	Yolo County U. S. Bureau of Reclamation Department of Water Resources	13	181 86 25	179 86 26
Capay Valley	5-21.10	0.0	Yolo County		21	21
Solano County	5-21.11	+1.4	Solano County U. S. Bureau of Reclamation Department of Water Resources	11	34 99 23	33 98 23
San Joaquin Valley	5-22.00					
Mokelumne River Area	5-22.01	-0.6	San Joaquin County California Water Service Company East Bay Municipal Utility Dist. U. S. Bureau of Reclamation Department of Water Resources	1	93 4 64 4 33	93 4 64 4 47
Calaveras River Area	5-22.02	+0.1	San Joaquin County California Water Service Company East Bay Municipal Utility Dist. Department of Water Resources	8	85 21 4 23	84 21 4 51
Farmington-Collegeville Area	5-22.03	-1.1	San Joaquin County Oakdale Irrigation District Department of Water Resources	7	60 2 17	59 2 30
South San Joaquin Irrigation District	5-22.05	-0.8	San Joaquin County Oakdale Irrigation District Department of Water Resources	7	2 1 21	2 1 24
Delta Area	5-22.52	-1.2	San Joaquin County Department of Water Resources	5	3 9	2 9
LAHONTAN REGION						
Surprise Valley	6-01.00	+2.2	Department of Water Resources	6		
Madeline Plains	6-02.00	-0.2	Department of Water Resources	3		
Honey Lake Valley	6-04.00	-0.1	Department of Water Resources	5		
Tahoe Valley	6-05.00					
South Tahoe Valley	6-05.01	-0.1	Department of Water Resources		28	28
TOTAL				223	2,199	2,272



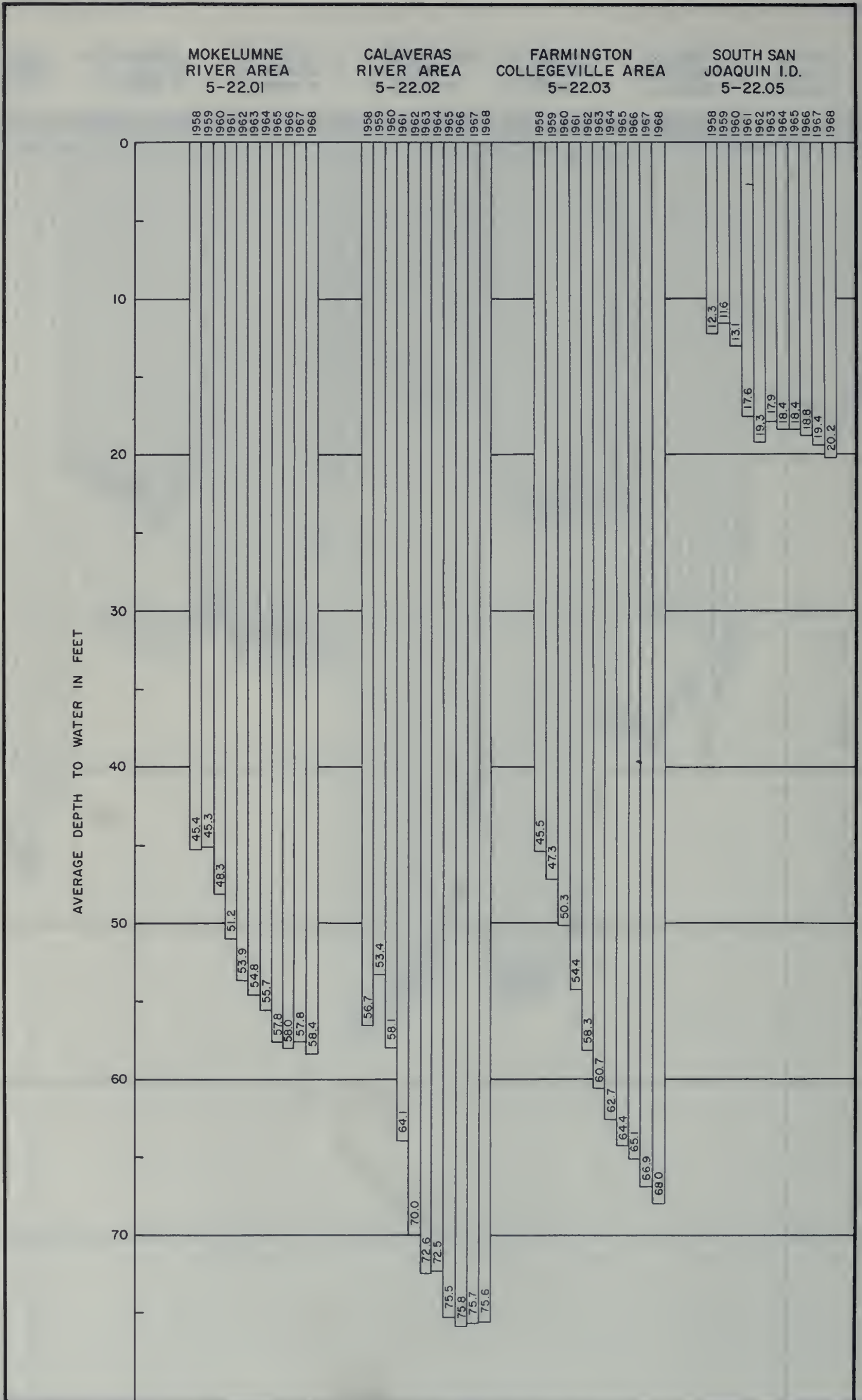


AVERAGE DEPTH TO WATER IN WELLS  
 SPRING 1958 TO SPRING 1968



AVERAGE DEPTH TO WATER IN WELLS  
 SPRING 1958 TO SPRING 1968

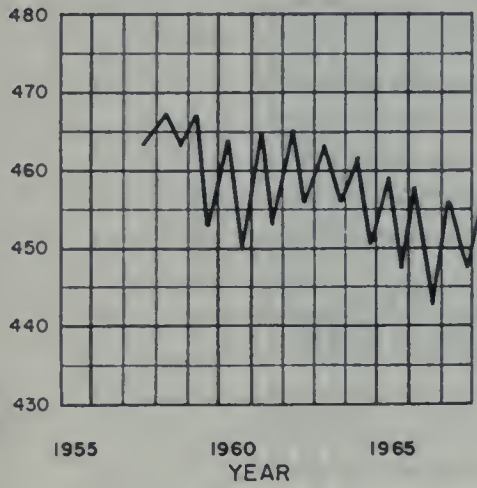




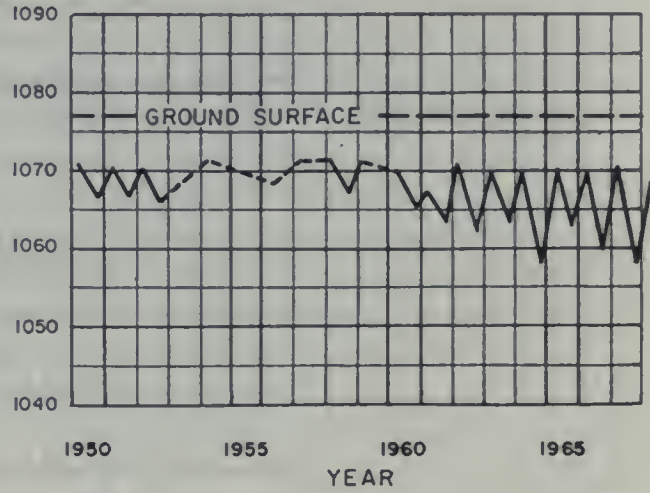
AVERAGE DEPTH TO WATER IN WELLS  
SPRING 1958 TO SPRING 1968

E L E V A T I O N I N F E E T - U S S C & G S D A T U M

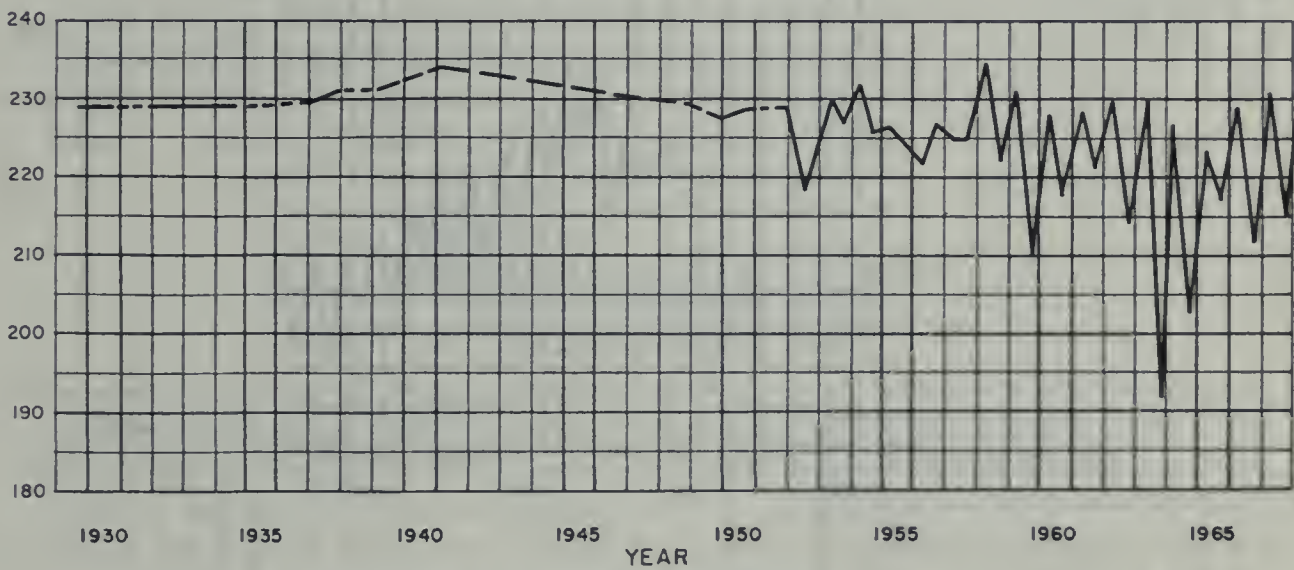
**REDDING BASIN (5-6.00)**  
**SHASTA COUNTY**  
 WELL 29N/5W - 11A2, M.D.B. & M.  
 GROUND SURFACE ELEVATION 512'



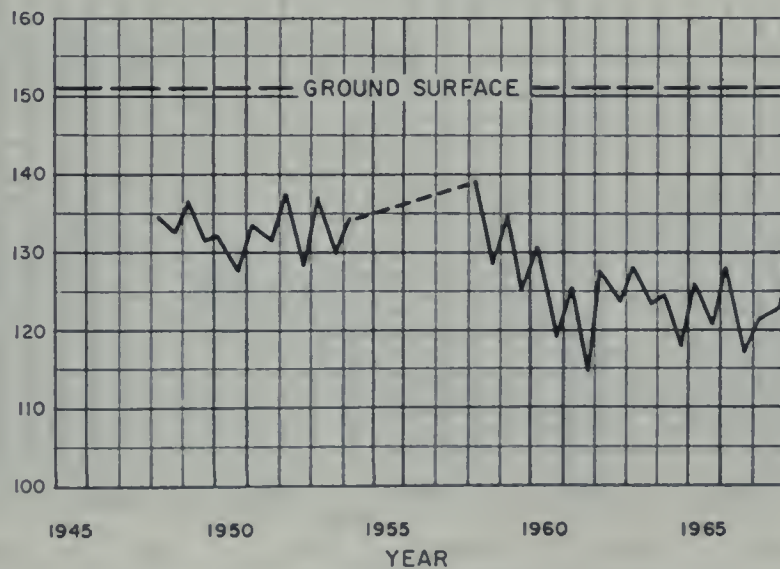
**COLLAYOMI VALLEY (5-19.00)**  
**LAKE COUNTY**  
 WELL 11N/7W - 35E1, M.D.B. & M.  
 GROUND SURFACE ELEVATION 1077'



**SACRAMENTO VALLEY (5-21.00)**  
**TEHAMA COUNTY (5-21.01)**  
 WELL 26N/3W - 4K1, M.D.B. & M.  
 GROUND SURFACE ELEVATION 295'



**SACRAMENTO VALLEY (5-21.00)**  
**GLENN COUNTY (5-21.02)**  
 WELL 21N/2W - 28M1, M.D.B. & M.  
 GROUND SURFACE ELEVATION 151'



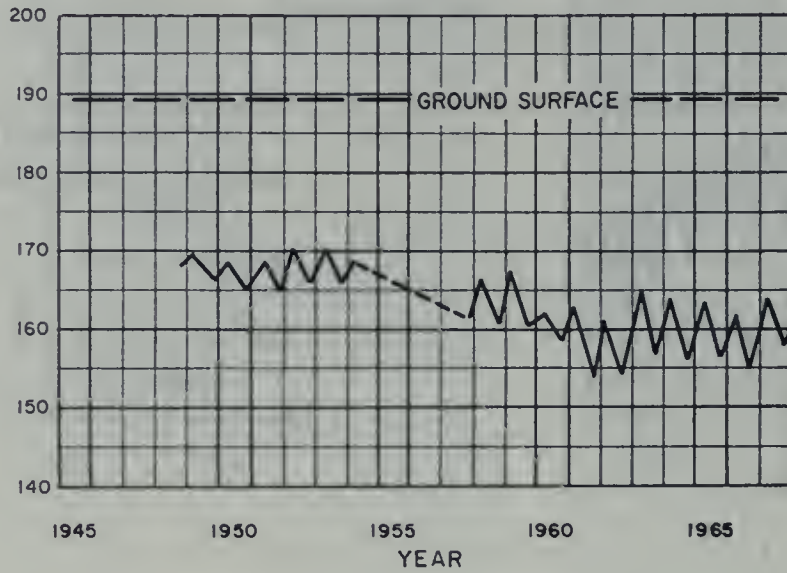
-----CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

**FLUCTUATION OF WATER LEVEL IN WELLS**

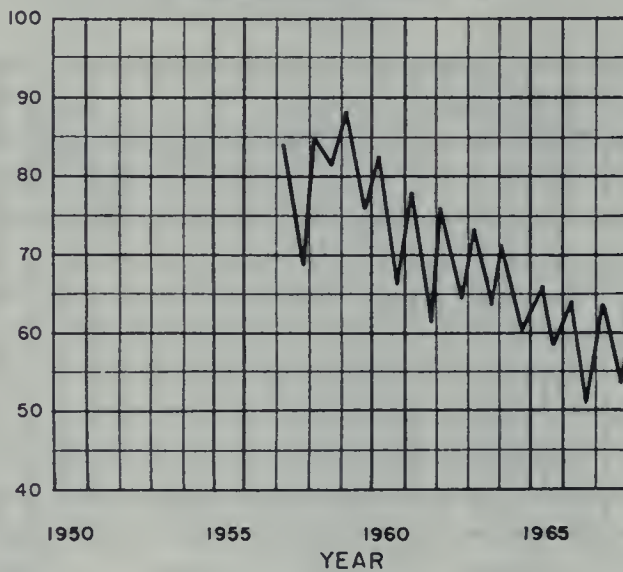


ELEVATION IN FEET - U.S.C. & G.S. DATUM

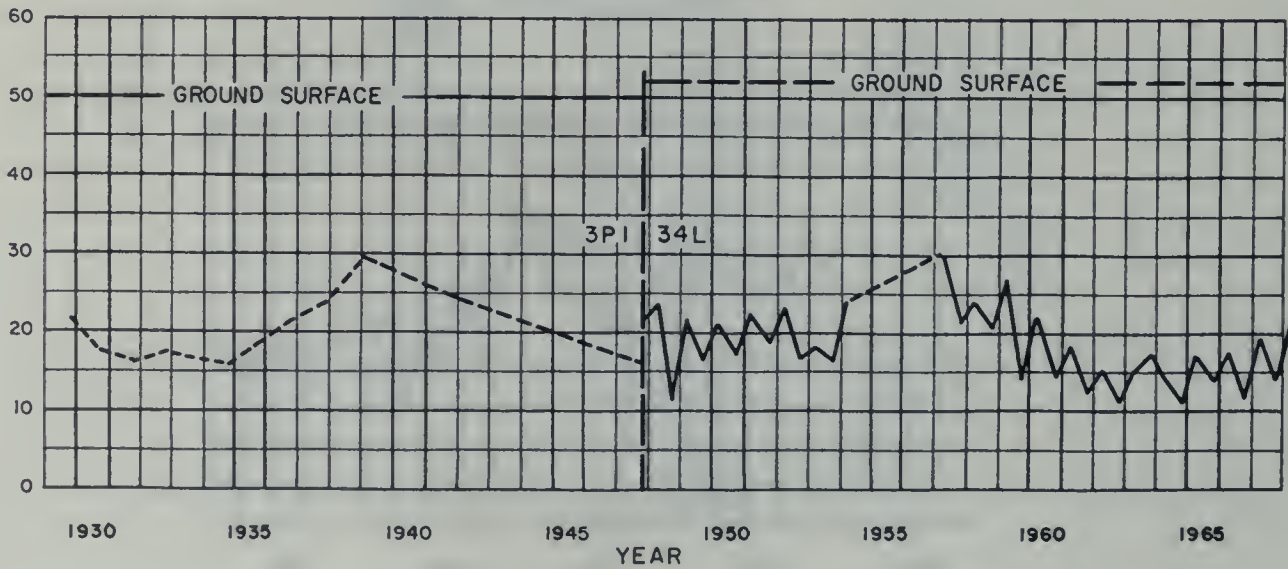
SACRAMENTO VALLEY (5-21.00)  
 BUTTE COUNTY (5-21.03)  
 WELL 23N/1W-14 RI, M.D.B. & M.  
 GROUND SURFACE ELEVATION 189'



SACRAMENTO VALLEY (5-21.00)  
 COLUSA COUNTY (5-21.04)  
 WELL 14N/2W-16N2, M.D.B. & M.  
 GROUND SURFACE ELEVATION 115'



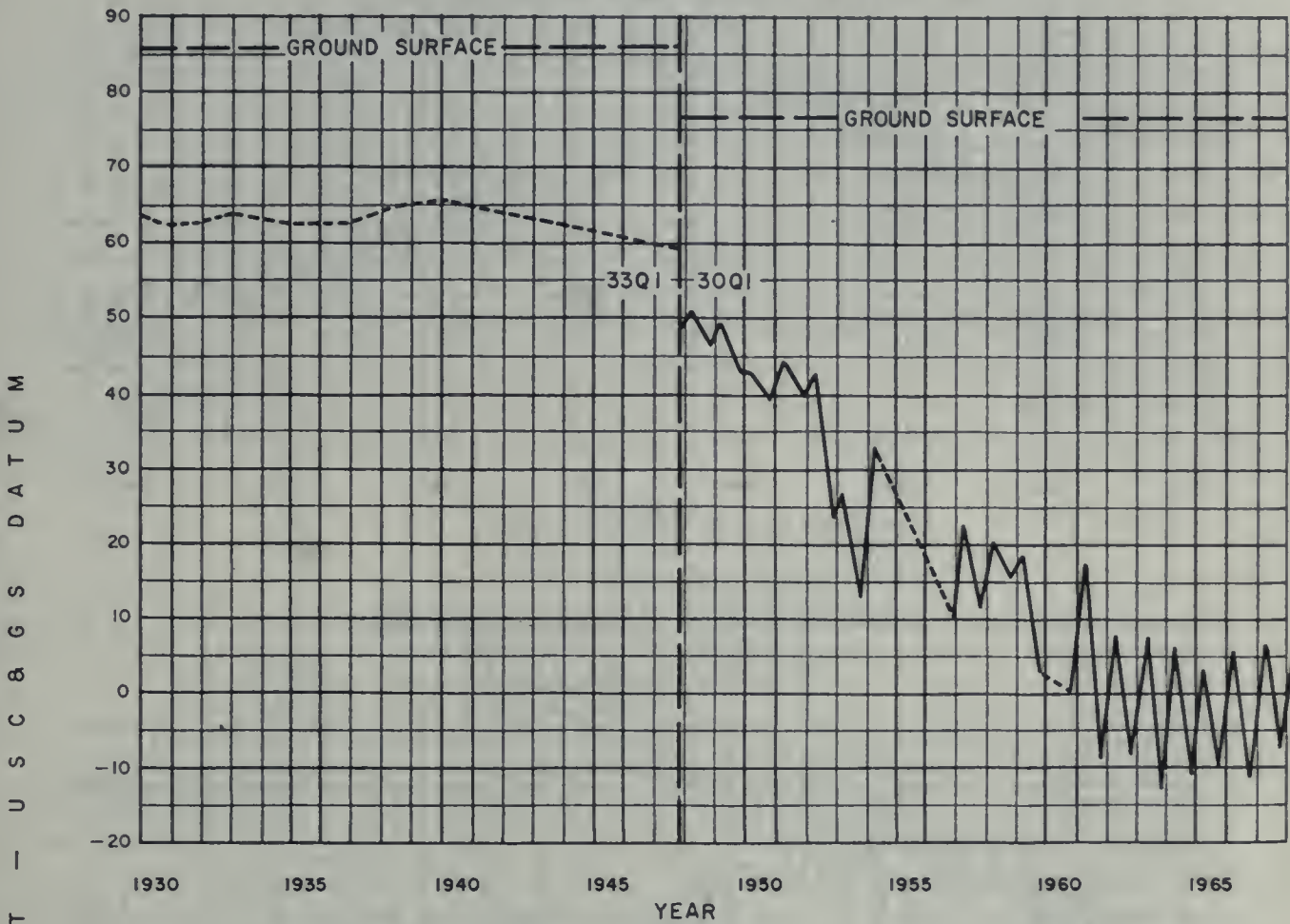
SACRAMENTO VALLEY (5-21.00)  
 SUTTER COUNTY (5-21.05)  
 WELLS 14N/3E-3PI, 15N/3E-34LI, M.D.B. & M.  
 GROUND SURFACE ELEVATION 50', 52'



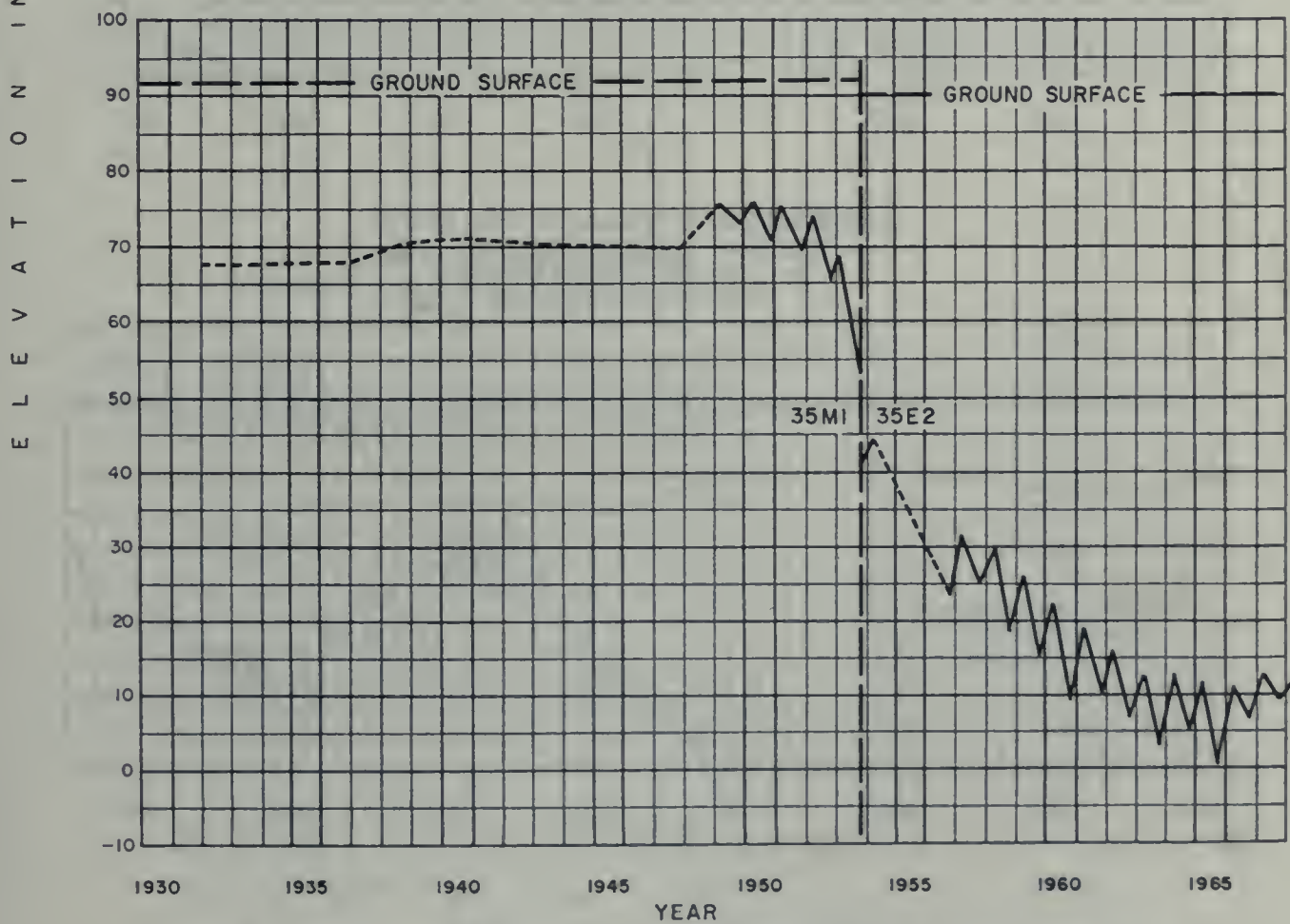
-----CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

FLUCTUATION OF WATER LEVEL IN WELLS

SACRAMENTO VALLEY (5-21.00)  
 YUBA COUNTY (5-21.06)  
 WELLS 14N/5E-33Q1, 14N/5E-30Q1, M.D.B. & M.  
 GROUND SURFACE ELEVATION 86', 77'



SACRAMENTO VALLEY (5-21.00)  
 PLACER COUNTY (5-21.07)  
 WELLS 13N/5E-35M1, 12N/5E-35E2, M.D.B. & M.  
 GROUND SURFACE ELEVATION 92', 90'



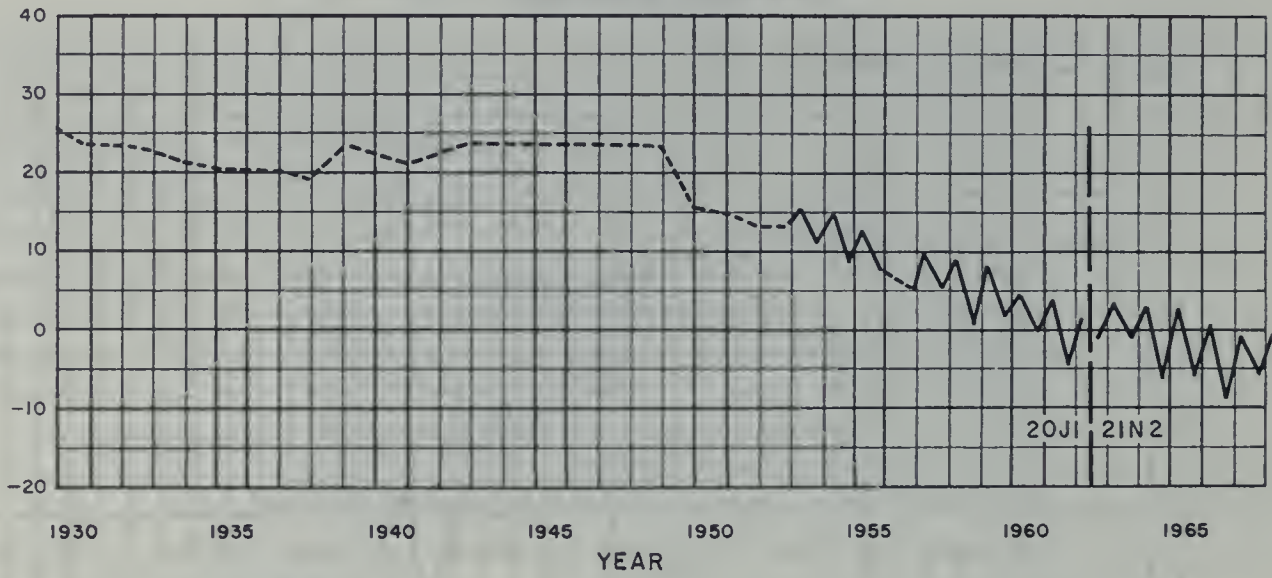
-----CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

FLUCTUATION OF WATER LEVEL IN WELLS

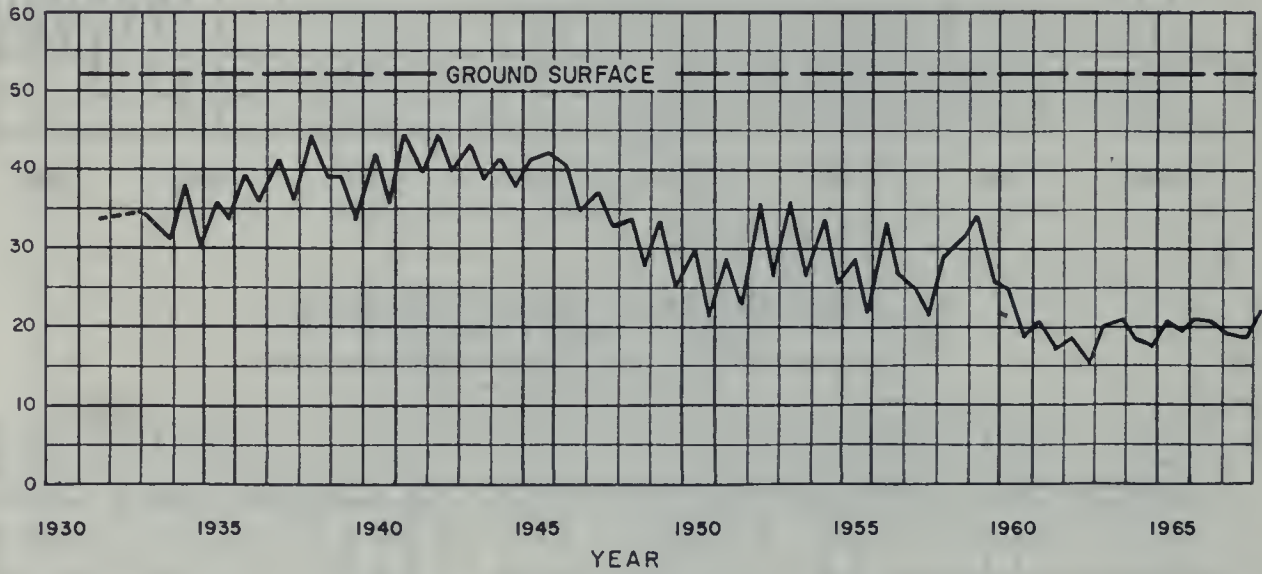


ELEVATION IN FEET - U.S.C. & G.S. DATUM

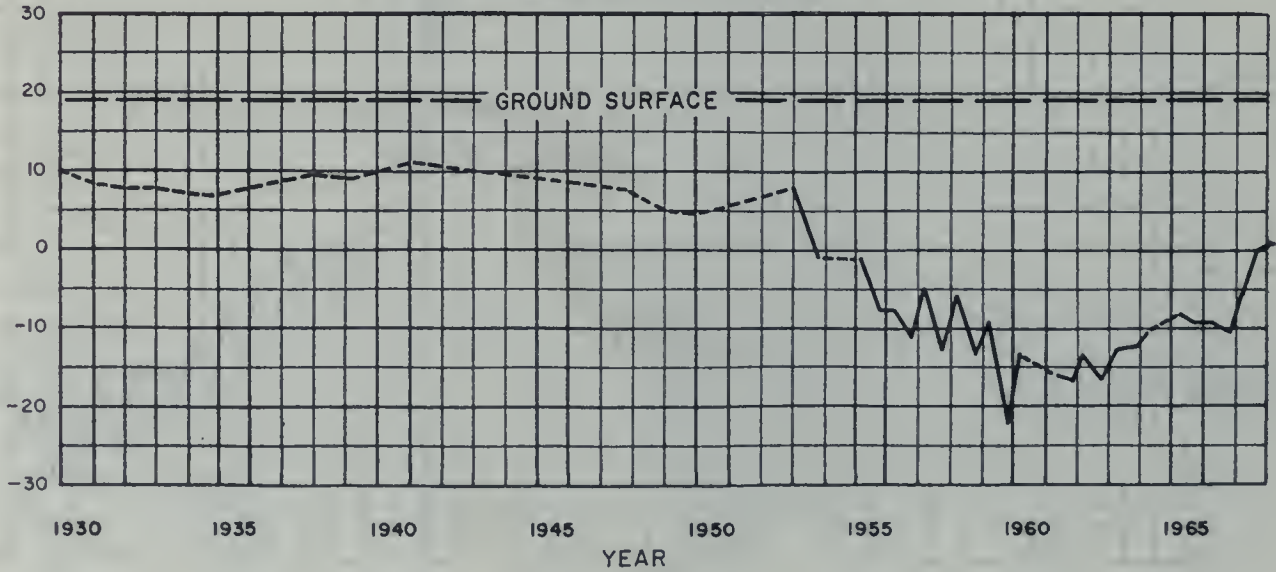
SACRAMENTO VALLEY (5-21.00)  
 SACRAMENTO COUNTY (5-21.08)  
 WELLS 8N/6E-20J1, 8N/6E-21N2, M.D.B. & M.  
 GROUND SURFACE ELEVATION 64', 65'



SACRAMENTO VALLEY (5-21.00)  
 YOLO COUNTY (5-21.09)  
 WELL 10N/2E-21M2, M.D.B. & M.  
 GROUND SURFACE ELEVATION 52'



SACRAMENTO VALLEY (5-21.00)  
 SOLANO COUNTY (5-21.11)  
 WELL 6N/2E-29N1, M.D.B. & M.  
 GROUND SURFACE ELEVATION 19'



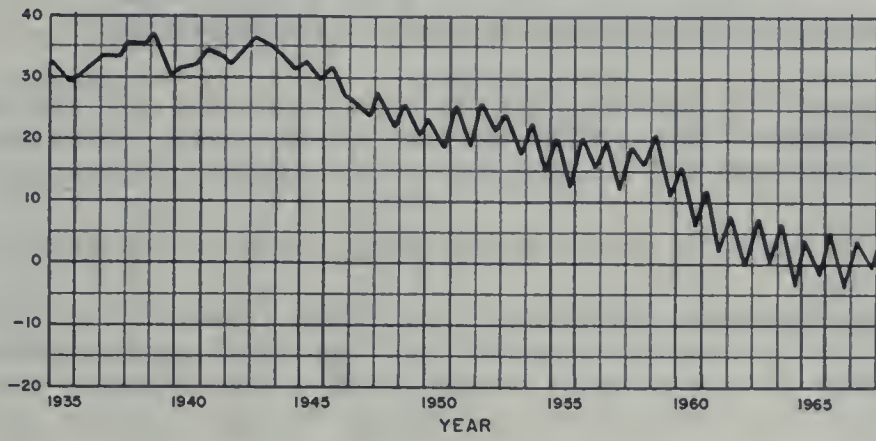
-----CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE

FLUCTUATION OF WATER LEVEL IN WELLS

ELEVATION IN FEET - U.S.C. & G.S. DATUM

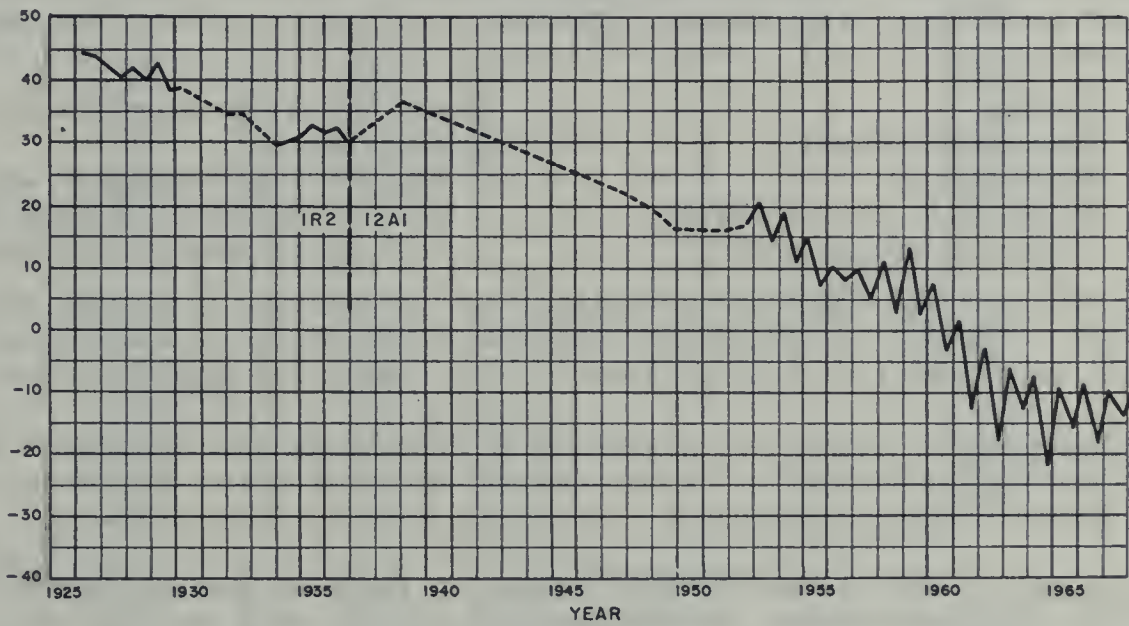
SAN JOAQUIN VALLEY (5-22.00)  
 MOKELUMNE RIVER AREA (5-22.01)

WELL 3N/7E-10L4, M.D.B. & M.  
 GROUND SURFACE ELEVATION 75'



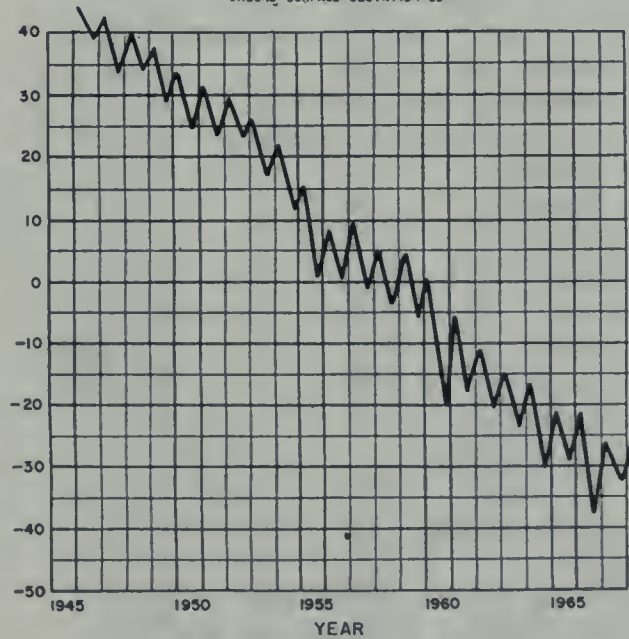
SAN JOAQUIN VALLEY (5-22.00)  
 CALAVERAS RIVER AREA (5-22.02)

WELLS 2N/7E-1R2, 2N/7E-12A1, M.D.B. & M.  
 GROUND SURFACE ELEVATION 74.72'



SAN JOAQUIN VALLEY (5-22.00)  
 FARMINGTON-COLLEGEVILLE AREA (5-22.03)

WELL 1N/8E-17D1, M.D.B. & M.  
 GROUND SURFACE ELEVATION 69'



----- CONNECTS MEASUREMENTS  
 MADE AT INTERVALS OF A  
 YEAR OR MORE.

FLUCTUATION OF WATER LEVEL IN WELLS



TABLE C-2 GROUND WATER LEVELS AT WELLS

An explanation of the column headings and the code symbols follows:

State Well Number - Refer to the explanation under Introduction.

Ground Surface Elevation - The numbers in this column are the elevations in feet above mean sea level (USGS Datum) of the ground surface at the well. Elevations are usually taken from topographic maps and the accuracy is controlled by topographic standards.

Date - The date shown is when the depth measurement given in the next column was made.

Ground Surface to Water Surface - This is the measured depth in feet from the ground surface to the water surface in the well; certain of the depth measurements in the column may be preceded by a number in parentheses to indicate a questionable measurement. The code applicable to these "questionable measurements" is as follows:

- |                                      |  |
|--------------------------------------|--|
| (1) Pumping                          | (6) Other                              |
| (2) Nearby pump operating            | (7) Recharge operation at or near well |
| (3) Casing leaking or wet            | (8) Oil in casing                      |
| (4) Pumped recently                  | (9) Caved or deepened                  |
| (5) Air or pressure gage measurement |  |

When a measurement was attempted, but could not be obtained, then only a number in parentheses is shown in the column. The code applicable to these "no measurements" is as follows:

- |                               |                               |
|-------------------------------|-------------------------------|
| (1) Pumping                   | (6) Well has been destroyed   |
| (2) Pump house locked         | (7) Special                   |
| (3) Tape hung up              | (8) Casing leaking or wet     |
| (4) Cannot get tape in casing | (9) Temporarily inaccessible  |
| (5) Unable to locate well     | (0) Measurements discontinued |

The words FLOW and DRY are shown in this column to indicate a flowing or dry well, respectively. A minus preceding the number in this column indicates that the static water level in the well is this distance in feet above the ground surface.

Water Surface Elevation - This is the elevation in feet above mean sea level (USGS Datum) of the water surface in the well. It was derived by subtraction of the depth measurement from the ground surface elevation.

Agency Supplying Data - Each number in this column is the code number for the agency supplying data for that measurement. The agencies supplying data for this report and the code numbers assigned to them are as follows:

<u>Code</u>	<u>Agency</u>
4202	Sacramento Municipal Utility District
4203	City of Stockton
4400	Arcade Water District
4701	California Water Service Company
5000	U. S. Geological Survey
5001	U. S. Bureau of Reclamation
5050	Department of Water Resources
5100	Tehama County
5101	Colusa County
5102	Sutter County
5103	Yuba County
5104	Yolo County
5105	Glenn County
5106	Butte County
5107	Placer County
5108	Sacramento County
5109	Solano County
5110	San Joaquin County
5111	Lake County
5401	South Sutter Water District
7518	South San Joaquin Irrigation District
8201	East Bay Municipal Utility District

TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CENTRAL VALLEY REGION 5-00.00						BIG VALLEY 5-04.00					
GOOSE LAKE VALLEY 5-01.00						38N/07E-32A02M 4115.5					
45N/14E-17P01M	4796.9	10-18-67	50.3	4746.6	5050			1-16-68	6.0	4109.5	5050
		11-21-67	49.5	4747.4	5050			2-19-68	4.8	4110.7	5050
		12-19-67	50.5	4746.4	5050			3-19-68	3.5	4112.0	5050
		1-16-68	48.8	4748.1	5050			4-18-68	3.7	4111.8	5050
		2-20-68	48.7	4748.2	5050			5-21-68	4.3	4111.2	5050
		3-20-68	48.6	4748.3	5050			6-19-68	4.2	4111.3	5050
		4-18-68	50.8	4746.1	5050			7-24-68	4.9	4110.6	5050
		5-21-68	52.5	4744.4	5050			8-19-68	5.4	4110.1	5050
		6-19-68	53.6	4743.3	5050			9-18-68	5.8	4109.7	5050
		7-24-68	53.6	4743.3	5050						
		8-19-68	55.0	4741.9	5050						
		9-18-68	53.6	4743.3	5050						
48N/14E-24A03M	4847.3	10-18-67	16.4	4830.9	5050	38N/07E-32N01M	4149.5	1-16-68	38.3	4111.2	5050
		11-20-67	17.2	4830.1	5050			2-19-68	37.5	4112.0	5050
		12-19-67	17.1	4830.2	5050			3-19-68	38.3	4111.2	5050
		1-16-68	14.0	4833.3	5050			4-18-68	37.9	4111.6	5050
		2-20-68	14.5	4832.8	5050			5-21-68	37.7	4111.8	5050
		3-20-68	14.4	4832.9	5050			6-19-68	38.0	4111.5	5050
		4-18-68	14.4	4832.9	5050			7-24-68	41.8	4107.7	5050
		5-21-68	13.9	4833.4	5050			8-19-68	42.0	4107.5	5050
		6-19-68	14.9	4832.4	5050			9-18-68	41.7	4107.8	5050
		7-24-68	17.2	4830.1	5050						
		8-19-68	17.7	4829.6	5050						
		9-18-68	18.8	4828.5	5050						
ALTURAS BASIN 5-02.00											
39N/13E-08K04M	4453.4	10-19-67	20.3	4433.1	5050	38N/07E-33K01M	4115.2	10-18-67	9.3	4105.9	5050
		11-21-67	19.3	4434.1	5050			11-20-67	9.2	4106.0	5050
		12-20-67	20.4	4433.0	5050			12-19-67	8.8	4106.4	5050
		1-17-68	21.3	4432.1	5050			1-16-68	8.6	4106.6	5050
		2-21-68	20.7	4432.7	5050			2-19-68	8.6	4106.6	5050
		3-21-68	24.5	4428.9	5050			3-19-68	8.4	4106.8	5050
		4-19-68	21.4	4432.0	5050			4-18-68	8.4	4106.8	5050
		5-22-68	20.7	4432.7	5050			5-21-68	8.8	4106.4	5050
		6-20-68	19.7	4433.7	5050			6-19-68	8.9	4106.3	5050
		7-25-68	20.7	4432.7	5050			7-24-68	9.7	4105.5	5050
		8-19-68	19.8	4433.6	5050						
		9-19-68	19.8	4433.6	5050						
41N/10E-06D01M	4303.4	10-18-67	7.0	4296.4	5050	38N/08E-17K01M	4149.9	10-18-67	8.5	4141.4	5050
		11-20-67	7.2	4296.2	5050			11-20-67	7.7	4142.2	5050
		12-19-67	7.3	4296.1	5050			12-19-67	8.2	4141.7	5050
		1-16-68	7.1	4296.3	5050			1-16-68	7.0	4142.9	5050
		2-19-68	7.5	4295.9	5050			2-19-68	7.3	4142.6	5050
		3-19-68	6.0	4297.4	5050			3-21-68	4.3	4145.6	5050
		4-18-68	6.0	4297.4	5050			4-18-68	4.8	4145.1	5050
		5-21-68	6.4	4297.0	5050			5-21-68	5.4	4144.5	5050
		6-19-68	6.6	4296.8	5050			6-19-68	6.9	4143.0	5050
		7-24-68	7.2	4296.2	5050			7-24-68	7.1	4142.8	5050
		8-19-68	7.1	4296.3	5050			8-19-68	7.3	4142.6	5050
		9-18-68	7.2	4296.2	5050			9-18-68	7.4	4142.5	5050
41N/12E-11D01M	4382.6	10-19-67	22.5	4360.1	5050	39N/09E-28F01M	4203.2	10-18-67	6.7	4196.5	5050
		11-21-67	22.4	4360.2	5050			11-20-67	6.7	4196.5	5050
		12-19-67	22.1	4360.5	5050			12-19-67	6.7	4196.5	5050
		1-17-68	22.4	4360.2	5050			1-16-68	6.0	4197.2	5050
		2-21-68	21.9	4360.7	5050			2-19-68	5.7	4197.5	5050
		3-21-68	22.2	4360.4	5050			3-19-68	5.5	4197.7	5050
		4-19-68	22.0	4360.6	5050			4-18-68	5.8	4197.4	5050
		5-22-68	22.3	4360.3	5050			5-21-68	5.7	4197.5	5050
		6-20-68	22.7	4359.9	5050			6-19-68	5.7	4197.5	5050
		7-25-68	22.1	4360.5	5050			7-24-68	8.0	4195.2	5050
		8-19-68	22.3	4360.3	5050			8-19-68	6.9	4196.3	5050
		9-19-68	22.1	4360.5	5050			9-18-68	8.0	4195.2	5050
42N/11E-30C01M	4340.6	10-18-67	10.0	4330.6	5050	39N/09E-10K01M	4242.4	10-18-67	9.1	4233.3	5050
		11-20-67	10.0	4330.6	5050			11-20-67	9.3	4233.1	5050
		12-19-67	10.7	4329.9	5050			12-19-67	9.0	4233.4	5050
		1-16-68	9.6	4331.0	5050			1-16-68	6.5	4279.6	5050
		2-19-68	9.3	4331.3	5050			2-19-68	4.4	4281.7	5050
		3-19-68	8.8	4331.8	5050			3-19-68	4.5	4281.6	5050
		4-18-68	9.5	4331.1	5050			4-18-68	4.3	4281.8	5050
		5-21-68	8.8	4331.8	5050			5-21-68	4.2	4281.9	5050
		6-19-68	13.0	4327.6	5050			6-19-68	4.7	4281.4	5050
		7-24-68	10.8	4329.8	5050			7-24-68	4.7	4281.4	5050
		8-19-68	(1)		5050			8-19-68	5.1	4281.0	5050
		9-18-68	10.2	4330.4	5050			9-18-68	5.9	4280.2	5050
42N/13E-06F01M	4398.0	10-18-67	7.5	4390.5	5050	39N/09E-10P01M	4229.9	10-18-67	9.7	4220.2	5050
		11-20-67	8.0	4390.0	5050			11-20-67	9.3	4220.6	5050
		12-19-67	8.2	4389.8	5050			12-19-67	9.4	4220.5	5050
		1-16-68	8.4	4389.6	5050			1-16-68	8.7	4221.2	5050
		2-20-68	7.1	4390.9	5050			2-19-68	7.6	4222.3	5050
		3-20-68	7.2	4390.8	5050			3-19-68	6.6	4223.3	5050
		4-18-68	7.8	4390.2	5050			4-18-68	7.0	4222.9	5050
		5-21-68	7.0	4391.0	5050			5-21-68	7.2	4222.7	5050
		6-19-68	6.8	4391.2	5050			6-19-68	7.9	4222.0	5050
		7-24-68	8.0	4390.0	5050			7-24-68	8.9	4221.0	5050
		8-19-68	7.7	4390.3	5050			8-19-68	9.5	4220.4	5050
		9-18-68	7.4	4390.6	5050			9-18-68	10.2	4219.7	5050
42N/13E-34M01M	4431.1	10-19-67	11.3	4419.8	5050	39N/09E-10P01M	4229.9	10-18-67	9.7	4220.2	5050
		11-20-67	10.3	4420.8	5050			11-20-67	9.3	4220.6	5050
		12-19-67	10.1	4421.0	5050			12-19-67	9.4	4220.5	5050
		1-17-68	9.7	4421.4	5050			1-16-68	8.7	4221.2	5050
		2-21-68	9.7	4421.4	5050			2-19-68	7.6	4222.3	5050
		3-21-68	9.6	4421.5	5050			3-19-68	6.6	4223.3	5050
		4-19-68	9.2	4421.9	5050			4-18-68	7.0	4222.9	5050
		5-22-68	9.5	4421.6	5050			5-21-68	7.2	4222.7	5050
		6-20-68	9.6	4421.5	5050			6-19-68	7.9	4222.0	5050
		7-25-68	10.9	4420.2	5050			7-24-68	8.9	4221.0	5050
		8-19-68	11.2	4419.9	5050			8-19-68	9.5	4220.4	5050
		9-19-68	11.3	4419.8	5050			9-18-68	10.2	4219.7	5050
FALL RIVER VALLEY 5-05.00											
						37N/05E-01J01M	3322.7	10-18-67	10.5	3312.2	5050
								11-20-67	9.5	3313.2	5050
								12-19-67	10.0	3312.7	5050
								1-16-68	9.4	3313.3	5050
								2-19-68	8.9	3313.8	5050
								3-19-68	6.7	3316.0	5050



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA		
PALL RIVER VALLEY 5-05.00						REDDING BASIN 5-06.00							
37N/05E-01J01M (Continued)	3322.7	4-18-68	7.3	3315.4	5050	31N/03W-29N01M	416.4	10-17-67	23.7	392.7	5050		
		5-21-68	10.1	3312.6	5050			11-22-67	23.7	392.7	5050		
		6-19-68	12.9	3309.8	5050			12-18-67	22.4	394.0	5050		
		7-24-68	19.9	3302.8	5050			1-12-68	22.4	394.0	5050		
		8-19-68	14.6	3308.1	5050			2-20-68	19.6	396.8	5050		
		9-18-68	13.4	3309.3	5050			3-20-68	18.8	397.6	5050		
								4-16-68	22.4	394.0	5050		
37N/05E-30K02M	3328.6	10-18-67	48.7	3279.9	5050			5-20-68	23.5	392.9	5050		
		11-18-67	48.7	3279.9	5050			6-18-68	25.2	391.2	5050		
		12-19-67	48.9	3279.7	5050			7-26-68	25.2	391.2	5050		
		1-16-68	48.5	3280.1	5050			8-22-68	23.5	392.9	5050		
		2-19-68	48.3	3280.3	5050			9-17-68	24.6	391.8	5050		
		3-19-68	48.3	3280.3	5050	31N/04W-27P01M	492.0	10-17-67	86.5	405.5	5050		
		4-18-68	48.0	3280.6	5050			11-22-67	86.5	405.5	5050		
		5-21-68	47.9	3280.7	5050			12-18-67	86.0	406.0	5050		
		6-19-68	47.8	3280.8	5050			1-12-68	85.0	407.0	5050		
		7-24-68	47.9	3280.7	5050			2-20-68	85.0	407.0	5050		
		8-19-68	47.7	3280.9	5050			3-20-68	90.4	401.6	5050		
9-18-68	47.7	3280.9	5050	4-16-68	88.5			403.5	5050				
				5-20-68	92.0			400.0	5050				
				6-18-68	87.0			405.0	5050				
				7-26-68	89.1			402.9	5050				
				8-22-68	92.0			400.0	5050				
				9-18-68	85.3	406.7	5050						
38N/04E-33F01M	3318.0	10-18-67	8.3	3309.7	5050	MOHAWK VALLEY 5-11.00							
		11-20-67	6.3	3311.7	5050	22N/12E-09P01M	4352.2	10-06-67	8.6	4343.6	5050		
		12-19-67	5.6	3312.4	5050			4-24-68	6.1	4346.1	5050		
		1-16-68	5.4	3312.6	5050	22N/12E-09Q01M	4365.5	10-06-67	10.9	4354.6	5050		
		2-19-68	5.3	3312.7	5050			4-24-68	5.8	4359.7	5050		
		3-19-68	4.9	3313.1	5050			SIERRA VALLEY 5-12.00					
		4-18-68	4.0	3314.0	5050			20N/14E-13Q02M	4985.6	10-26-67	3.0	4982.6	5050
		5-21-68	4.8	3313.2	5050					11-28-67	2.8	4982.8	5050
		6-19-68	5.6	3312.4	5050					12-26-67	2.3	4983.3	5050
		7-24-68	6.6	3311.4	5050					2-28-68	0.4	4985.2	5050
8-19-68	6.7	3311.3	5050	3-25-68	1.0					4984.6	5050		
9-18-68	7.2	3310.8	5050	4-25-68	2.3	4983.3	5050						
				5-27-68	1.8	4983.8	5050						
				6-28-68	2.0	4983.6	5050						
				7-26-68	3.1	4982.5	5050						
				8-26-68	3.1	4982.5	5050						
				9-29-68	3.3	4982.3	5050						
REDDING BASIN 5-06.00						21N/14E-25N01M	4932.0	10-26-67	12.6	4919.4	5050		
29N/03W-06P01M	409.7	10-17-67	33.2	376.5	5050			11-28-67	13.1	4918.9	5050		
		11-22-67	33.0	376.7	5050			12-26-67	13.4	4918.6	5050		
		12-18-67	33.1	376.6	5050			2-28-68	9.1	4922.9	5050		
		1-12-68	34.0	375.7	5050			3-25-68	8.9	4923.1	5050		
		2-20-68	29.7	380.0	5050			4-25-68	8.8	4923.2	5050		
		3-20-68	31.9	377.8	5050			5-27-68	9.6	4922.4	5050		
		4-16-68	33.7	376.0	5050			6-28-68	10.8	4921.2	5050		
		5-20-68	32.7	377.0	5050			7-26-68	11.9	4920.1	5050		
		6-18-68	33.2	376.5	5050			8-26-68	12.9	4919.1	5050		
		7-26-68	33.7	376.0	5050	9-29-68	13.6	4918.4	5050				
8-22-68	33.1	376.6	5050	21N/14E-32G01M	4957.5	10-26-67	11.8	4945.7	5050				
9-17-68	33.1	376.6	5050			11-28-67	10.9	4946.6	5050				
29N/04W-02P01M	445.0	7-26-68	58.2			386.8	5050	12-26-67	11.3	4946.2	5050		
		8-22-68	58.2			386.8	5050	2-28-68	10.3	4947.2	5050		
		9-17-68	57.7			387.3	5050	3-25-68	11.0	4946.5	5050		
29N/05W-07B01M	549.0	10-17-67	49.0			500.0	5050	4-25-68	13.7	4943.8	5050		
		11-22-67	48.8			500.2	5050	5-27-68	10.3	4947.2	5050		
		12-18-67	50.5			498.5	5050	6-28-68	10.7	4946.8	5050		
		1-12-68	48.5			500.5	5050	7-26-68	14.2	4943.3	5050		
		2-20-68	47.3			501.7	5050	8-26-68	11.5	4946.0	5050		
		3-20-68	46.0	503.0	5050	9-29-68	10.4	4947.1	5050				
		4-16-68	46.0	503.0	5050	21N/14E-33C01M	4919.0	10-05-67	1.0	4918.0	5050		
		5-20-68	46.4	502.6	5050			4-23-68	1.1	4917.9	5050		
		6-18-68	47.0	502.0	5050	21N/14E-36Q01M	4928.5	10-06-67	5.8	4922.7	5050		
		7-26-68	47.8	501.2	5050			4-24-68	5.5	4923.0	5050		
8-22-68	48.3	500.7	5050	21N/15E-04P01M	4890.7	10-06-67	5.4	4885.3	5050				
9-17-68	48.5	500.5	5050			4-24-68	-2.3	4893.0	5050				
29N/05W-11A02M	512.0	10-17-67	(1)		5050	21N/15E-07R01M	4892.7	10-06-67	-7.6	4900.3	5050		
		11-22-67	64.3	447.7	5050			4-24-68	-8.2	4900.9	5050		
		12-18-67	60.5	451.5	5050	21N/15E-12C01M	4918.8	10-26-67	7.4	4911.4	5050		
		1-12-68	59.1	452.9	5050			11-28-67	7.4	4911.4	5050		
		2-20-68	56.5	455.5	5050			12-26-67	7.2	4911.6	5050		
		3-20-68	55.8	456.2	5050			2-28-68	4.1	4914.7	5050		
		4-16-68	(1)		5050			3-25-68	3.6	4915.2	5050		
		5-20-68	(1)		5050			4-25-68	4.0	4914.8	5050		
		6-18-68	(1)		5050			5-27-68	4.8	4914.0	5050		
		7-26-68	(1)		5050			6-28-68	5.5	4913.3	5050		
8-22-68	(1)		5050	7-26-68	6.5			4912.3	5050				
9-17-68	(1)		5050	8-26-68	7.1			4911.7	5050				
30N/04W-03Q01M	473.3	10-17-67	73.8	399.5	5050	9-29-68	7.5	4911.3	5050				
		11-22-67	73.3	400.0	5050	21N/15E-12N01M	4921.5	10-06-67	2.4	4919.1	5050		
		12-18-67	73.3	400.0	5050			4-24-68	-3.8	4925.3	5050		
		1-12-68	74.7	398.6	5050	21N/15E-12P01M	4927.5	10-06-67	-3.1	4930.6	5050		
		2-20-68	72.6	400.7	5050			4-24-68	-8.0	4935.5	5050		
		3-20-68	74.3	399.0	5050								
		4-16-68	74.5	398.8	5050								
		5-20-68	73.1	400.2	5050								
		6-18-68	73.3	400.0	5050								
		7-26-68	73.5	399.8	5050								
8-22-68	71.3	402.0	5050										
9-17-68	72.4	400.9	5050										
30N/04W-06B03M	450.0	10-17-67	59.2	390.8	5050								
		11-22-67	59.0	391.0	5050								
		12-18-67	57.0	393.0	5050								
		1-12-68	56.0	394.0	5050								
		2-19-68	56.0	394.0	5050								
		3-26-68	60.0	390.0	5050								
		4-16-68	59.8	390.2	5050								
		5-21-68	57.6	392.4	5050								
		6-19-68	60.0	390.0	5050								
		7-26-68	58.3	391.7	5050								
8-23-68	57.1	392.9	5050										
9-18-68	57.3	392.7	5050										

TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SIERRA VALLEY 5-12.00						SIERRA VALLEY 5-12.00					
21N/15E-17A01M	4916.2	10-06-67	-4.9	4921.1	5050	23N/16E-34H01M	4964.9	10-05-67	4.0	4960.9	5050
		4-24-68	-5.6	4921.8	5050			10-26-67	4.5	4960.4	5050
21N/15E-18F02M	4891.4	10-06-67	-5.6	4897.0	5050			11-28-67	5.3	4959.6	5050
		4-24-68	-6.1	4897.5	5050			12-26-67	3.9	4961.0	5050
21N/16E-18H01M	4995.1	10-06-67	21.4	4973.7	5050			2-28-68	3.0	4961.9	5050
		4-24-68	18.1	4977.0	5050			3-26-68	3.3	4961.6	5050
21N/16E-18H02M	4994.5	10-06-67	19.7	4974.8	5050			4-23-68	4.3	4960.6	5050
		4-24-68	16.0	4978.5	5050			4-25-68	4.2	4960.7	5050
21N/16E-29E01M	5134.3	10-06-67	6.9	5127.4	5050			5-27-68	4.6	4960.3	5050
		4-24-68	6.3	5128.0	5050			6-28-68	4.5	4960.4	5050
22N/14E-02H01M	4881.2	10-05-67	7.3	4873.9	5050	23N/16E-36P01M	5009.3	10-05-67	13.1	4996.2	5050
		4-23-68	4.5	4876.7	5050			4-23-68	11.4	4997.9	5050
22N/14E-13K01M	4882.0	10-05-67	1.8	4880.2	5050	UPPER LAKE VALLEY 5-13.00					
		4-23-68	2.1	4879.9	5050	15N/09W-05L01M	1385.6	10-20-67	10.3	1375.3	5111
22N/14E-26L01M	4894.5	10-05-67	-1.4	4895.9	5050			4-05-68	4.3	1381.3	5111
		4-23-68	-3.9	4898.4	5050	15N/09W-05P01M	1389.1	10-20-67	8.3	1380.8	5111
22N/15E-08L01M	4877.0	10-06-67	-3.9	4880.9	5050			4-05-68	3.1	1386.0	5111
		4-23-68	-4.2	4881.2	5050	15N/09W-06E02M	1365.6	10-19-67	16.8	1348.8	5111
22N/15E-14K01M	4891.0	10-06-67	14.5	4876.5	5050			4-04-68	10.7	1354.9	5111
		4-23-68	1.8	4889.2	5050	15N/09W-06K01M	1364.1	10-19-67	16.2	1347.9	5111
22N/15E-16P01M	4880.4	10-06-67	1.8	4878.6	5050			4-04-68	7.6	1356.5	5111
		4-23-68	1.0	4879.4	5050	15N/09W-06R01M	1361.5	10-20-67	14.3	1347.2	5111
22N/15E-22Q01M	4880.9	10-06-67	4.9	4876.0	5050			4-05-68	8.0	1353.5	5111
		4-23-68	1.8	4879.1	5050	15N/09W-07G01M	1346.4	10-17-67	14.1	1332.3	5050
22N/15E-28L01M	4881.5	10-06-67	4.3	4877.2	5050			11-15-67	10.3	1336.1	5050
		4-23-68	FLOW		5050			3-20-68	3.5	1342.9	5050
22N/15E-35H01M	4889.7	10-06-67	23.9	4865.8	5050			4-05-68	4.1	1342.3	5111
		4-24-68	5.7	4884.0	5050			4-11-68	4.4	1342.0	5050
22N/15E-36G01M	4900.1	10-06-67	(6)		5050			5-14-68	6.8	1339.6	5050
22N/15E-36P01M	4904.0	10-06-67	33.6	4870.4	5050	15N/09W-08N01M	1337.0	10-17-67	12.9	1324.1	5050
		4-24-68	16.7	4887.3	5050			4-11-68	3.2	1333.8	5050
22N/16E-04A01M	4932.0	10-05-67	-2.9	4934.9	5050	15N/09W-09L01M	1430.4	10-20-67	25.4	1405.0	5111
		4-24-68	-3.4	4935.4	5050			4-05-68	3.3	1427.1	5111
22N/16E-04B01M	4931.0	10-05-67	-5.3	4936.3	5050	15N/09W-18H03M	1331.0	10-20-67	7.0	1324.0	5111
		4-24-68	-5.4	4936.4	5050			4-05-68	2.8	1328.2	5111
22N/16E-17E02M	4901.3	10-06-67	-1.1	4902.4	5050	15N/09W-20L01M	1324.0	10-17-67	8.6	1315.4	5050
		4-24-68	-2.6	4903.9	5050			4-11-68	4.4	1319.6	5050
22N/16E-18K01M	4896.9	10-06-67	-0.5	4897.4	5050	15N/09W-28F02M	1327.8	10-20-67	4.6	1323.2	5111
		4-24-68	-4.7	4901.6	5050			4-05-68	-0.1	1327.9	5111
23N/14E-25G01M	4891.7	10-05-67	9.4	4882.3	5050	15N/10W-01R01M	1356.1	10-19-67	13.0	1343.1	5111
		4-23-68	6.9	4884.8	5050			4-04-68	4.7	1351.4	5111
23N/14E-25K01M	4891.1	10-05-67	8.3	4882.8	5050	15N/10W-02N01M	1339.0	10-17-67	9.6	1329.4	5050
		10-26-67	8.5	4882.6	5050			11-15-67	10.3	1328.7	5050
		11-28-67	8.9	4882.2	5050			3-20-68	0.2	1338.8	5050
		12-26-67	8.2	4882.9	5050			4-04-68	0.3	1338.7	5111
		2-28-68	2.9	4888.2	5050			4-11-68	0.5	1338.5	5050
		3-25-68	2.3	4888.8	5050			5-14-68	2.2	1336.8	5050
		4-23-68	4.3	4886.8	5050	15N/10W-03D01M	1362.0	10-19-67	9.9	1352.1	5111
		4-25-68	4.4	4886.7	5050			4-04-68	4.0	1358.0	5111
		5-27-68	5.9	4885.2	5050	15N/10W-03N01M	1335.0	10-19-67	11.8	1323.2	5111
		6-28-68	7.0	4884.1	5050			4-04-68	3.6	1331.4	5111
		7-26-68	7.9	4883.2	5050	15N/10W-04B01M	1373.5	10-19-67	13.3	1360.2	5111
		8-26-68	8.5	4882.6	5050			4-04-68	4.6	1368.9	5111
		9-29-68	9.1	4882.0	5050	15N/10W-04B02M	1370.0	10-19-67	13.9	1356.1	5111
23N/14E-28C02M	4888.4	10-05-67	9.6	4878.8	5050			4-04-68	6.0	1364.0	5111
		4-23-68	7.3	4881.1	5050	15N/10W-13H01M	1331.0	10-17-67	5.4	1325.6	5050
23N/15E-29H01M	4896.4	10-05-67	-9.1	4905.5	5050			4-11-68	FLOW		5050
		4-23-68	-9.9	4906.3	5050	15N/10W-13H02M	1330.0	10-17-67	3.5	1326.5	5050
23N/15E-29R01M	4889.3	10-05-67	-7.2	4896.5	5050			4-11-68	FLOW		5050
		4-23-68	-8.5	4897.8	5050	16N/09W-31C03M	1408.2	10-17-67	25.8	1382.4	5050
23N/15E-33C03M	4893.6	10-05-67	-8.8	4902.4	5050			11-15-67	26.1	1382.1	5050
		4-23-68	-8.8	4902.4	5050			3-20-68	20.2	1388.0	5050
23N/15E-34D01M	4888.3	10-05-67	-13.3	4901.6	5050			4-04-68	21.5	1386.7	5111
		4-23-68	-13.5	4901.8	5050			4-11-68	21.9	1386.3	5050
23N/15E-36J01M	4905.7	10-05-67	5.4	4900.3	5050			5-14-68	23.3	1384.9	5050
		4-23-68	3.9	4901.8	5050	16N/09W-31Q01M	1387.5	10-20-67	9.8	1377.7	5111
23N/16E-19H02M	4924.0	10-05-67	-10.3	4934.3	5050			4-04-68	9.7	1377.8	5111
		4-23-68	-10.2	4934.2	5050	16N/10W-33E01M	1425.3	10-19-67	20.0	1405.3	5111
23N/16E-24E01M	5001.2	10-05-67	-12.2	5013.4	5050			4-04-68	10.2	1415.1	5111
		4-23-68	-12.2	5013.4	5050	16N/10W-34N01M	1394.1	10-19-67	20.4	1373.7	5111
23N/16E-27R01M	4963.2	10-05-67	4.5	4958.7	5050			4-04-68	5.3	1388.8	5111
		4-23-68	4.3	4958.9	5050	16N/10W-36J01M	1418.2	10-19-67	23.2	1395.0	5111
23N/16E-28L01M	4938.5	10-05-67	-10.6	4949.1	5050			4-04-68	2.9	1415.3	5111
		4-23-68	-10.4	4948.9	5050						
23N/16E-33C01M	4935.6	10-05-67	-6.0	4941.6	5050						
		4-23-68	-6.0	4941.6	5050						



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SCOTT VALLEY 5-14.00						KELSEYVILLE VALLEY 5-15.00					
14N/10W-03E01M	1400.0	10-17-67 4-11-68	12.1 6.8	1387.9 1393.2	5050 5050	13N/09W-08K02M	1372.6	10-23-67 4-15-68	22.5 10.0	1350.1 1362.6	5111 5111
14N/10W-03M01M	1404.6	10-19-67 4-04-68	7.9 1.6	1396.7 1403.0	5111 5111	13N/09W-08N01M	1375.0	10-26-67 4-05-68	15.2 7.9	1359.8 1367.1	5111 5111
14N/10W-03M02M	1405.0	10-19-67 4-04-68	(2) 11.3 2.0	1393.7 1403.0	5111 5111	13N/09W-09C04M	1358.0	4-05-68	4.6	1353.4	5111
14N/10W-10P01M	1423.8	10-19-67	(0)		5111	13N/09W-09D01M	1359.4	10-23-67 4-05-68	22.9 4.0	1336.5 1355.4	5111 5111
14N/10W-10Q01M	1430.7	10-19-67 4-04-68	14.6 4.0	1416.1 1426.7	5111 5111	13N/09W-09D05M	1358.0	4-05-68	5.3	1352.7	5111
14N/10W-11G01M	1420.3	10-19-67 4-04-68	7.6 1.8	1412.7 1418.5	5111 5111	13N/09W-09L01M	1360.0	10-26-67 4-05-68	18.2 3.0	1341.8 1357.0	5111 5111
14N/10W-14E02M	1441.6	4-04-68	4.5	1437.1	5111	13N/09W-09Q02M	1368.0	10-18-67 4-11-68	(1) 20.7 (1) 6.5	1347.3 1361.5	5050 5050
14N/10W-14E03M	1445.0	10-19-67 4-04-68	(7) (0)		5111 5111	13N/09W-10E01M	1355.0	10-23-67 4-05-68	22.8 5.6	1332.2 1349.4	5111 5111
14N/10W-14F01M	1440.0	10-19-67 4-04-68	17.3 2.5	1422.7 1437.5	5111 5111	13N/09W-10J01M	1367.0	10-18-67 4-11-68	(1) 19.6 15.9	1347.4 1351.1	5050 5050
14N/10W-14G03M	1442.6	10-16-67 11-16-67 3-20-68 4-04-68 4-11-68 5-15-68	14.7 15.5 5.6 6.5 6.7 (6)	1427.9 1427.1 1437.0 1436.1 1435.9	5050 5050 5050 5111 5050 5050	13N/09W-11F01M	1360.0	10-26-67 4-15-68	4.6 1.5	1355.4 1358.5	5111 5111
14N/10W-15H01M	1445.0	10-16-67 11-16-67 3-20-68 4-11-68 5-15-68	20.9 17.6 4.8 6.1 11.2	1424.1 1427.4 1440.2 1438.9 1433.8	5050 5050 5050 5050 5050	13N/09W-11H01M	1358.0	10-26-67 4-15-68	23.4 10.0	1334.6 1348.0	5111 5111
14N/10W-22A01M	1463.8	10-18-67 4-04-68	39.5 20.8	1424.3 1443.0	5111 5111	13N/09W-12M02M	1357.1	10-26-67 4-15-68	22.4 15.4	1334.7 1341.7	5111 5111
KELSEYVILLE VALLEY 5-15.00						13N/09W-14C01M	1381.0	10-18-67 4-11-68	15.5 8.5	1365.5 1372.5	5050 5050
13N/09W-02C02M	1345.0	10-26-67 4-15-68	20.4 13.1	1324.6 1331.9	5111 5111	13N/09W-14G01M	1397.8	10-18-67 4-11-68	20.1 16.8	1377.7 1381.0	5050 5050
13N/09W-02H01M	1334.6	10-26-67 4-15-68	9.5 0.2	1325.1 1334.4	5111 5111	13N/09W-14P02M	1398.8	10-18-67 4-11-68	34.5 10.8	1364.3 1388.0	5050 5050
13N/09W-02K03M	1343.0	10-26-67 4-15-68	15.5 5.7	1327.5 1337.3	5111 5111	13N/09W-15B02M	1376.0	10-23-67 4-05-68	17.3 15.3	1358.7 1360.7	5111 5111
13N/09W-03D04M	1347.0	4-15-68	6.3	1340.7	5111	13N/09W-15D01M	1445.0	10-23-67 4-05-68	80.9 65.0	1364.1 1380.0	5111 5111
13N/09W-03F05M	1349.0	10-18-67 4-11-68	24.6 10.1	1324.4 1338.9	5050 5050	13N/09W-15J01M	1420.0	10-23-67 4-09-68	19.3 17.1	1400.7 1402.9	5111 5111
13N/09W-03R01M	1357.2	10-26-67 4-15-68	30.2 14.3	1327.0 1342.9	5111 5111	13N/09W-15M01M	1409.0	10-23-67 4-05-68	19.1 14.0	1389.9 1395.0	5111 5111
13N/09W-03R02M	1357.4	10-26-67 4-15-68	27.2 14.3	1330.2 1343.1	5111 5111	13N/09W-16E02M	1379.0	10-23-67 4-05-68	22.1 4.2	1356.9 1374.8	5111 5111
13N/09W-04G01M	1345.3	10-23-67 4-15-68	19.5 4.2	1325.8 1341.1	5111 5111	13N/09W-16L01M	1380.0	10-20-67 4-05-68	13.2 0.2	1366.8 1379.8	5111 5111
13N/09W-04Q03M	1357.0	10-23-67 4-15-68	28.9 6.9	1328.1 1350.1	5111 5111	13N/09W-17C02M	1380.5	10-26-67 4-15-68	12.5 2.9	1368.0 1377.6	5111 5111
13N/09W-05J03M	1350.0	10-18-67 11-16-67 3-20-68 4-11-68 5-15-68	26.5 23.7 4.7 5.0 10.2	1323.5 1326.3 1345.3 1345.0 1339.8	5050 5050 5050 5050 5050	13N/09W-17K02M	1383.0	10-26-67 4-15-68	17.4 8.2	1365.6 1374.8	5111 5111
13N/09W-05J05M	1352.0	10-26-67 4-15-68	26.7 6.8	1325.3 1345.2	5111 5111	13N/09W-18J01M	1400.0	10-20-67 4-05-68	33.0 6.9	1367.0 1393.1	5111 5111
13N/09W-06H02M	1349.0	10-20-67 4-05-68	(4) 31.3 9.8	1317.7 1339.2	5111 5111	13N/09W-18R01M	1389.0	10-18-67 4-11-68	9.8 0.9	1379.2 1388.1	5050 5050
13N/09W-06H03M	1349.3	10-20-67 4-05-68	(4) 33.2 9.1	1316.1 1340.2	5111 5111	13N/09W-19H01M	1400.0	10-20-67 4-05-68	14.0 5.1	1386.0 1394.9	5111 5111
13N/09W-06N01M	1374.3	10-20-67 4-05-68	11.8 2.2	1362.5 1372.1	5111 5111	13N/09W-19J01M	1410.0	10-20-67 4-05-68	10.4 3.9	1399.6 1406.1	5111 5111
13N/09W-07A03M	1360.0	10-20-67 4-05-68	15.3 3.8	1344.7 1356.2	5111 5111	13N/09W-20F01M	1405.3	10-20-67 4-05-68	13.3 8.4	1392.0 1396.9	5111 5111
13N/09W-07E01M	1392.3	10-20-67 4-05-68	13.9 0.1	1378.4 1392.2	5111 5111	13N/09W-20P01M	1413.0	10-18-67 11-16-67 3-20-68 4-11-68 5-15-68	10.2 10.2 4.5 5.8 6.8	1402.8 1402.8 1408.5 1407.2 1406.2	5050 5050 5050 5050 5050
13N/09W-07E02M	1390.0	10-18-67 11-16-67 3-20-68 4-11-68 5-15-68	8.8 8.8 0.4 1.9 4.3	1381.2 1381.2 1389.6 1388.1 1385.7	5050 5050 5050 5050 5050	13N/09W-21F01M	1498.7	10-18-67 4-11-68	104.9 103.2	1393.8 1395.5	5050 5050
						13N/09W-21F02M	1500.0	10-18-67 4-11-68	127.4 108.9	1372.6 1391.1	5050 5050
						13N/09W-21J01M	1496.0	10-20-67 4-05-68	82.3 81.0	1413.7 1415.0	5111 5111
						13N/09W-22C02M	1430.0	10-18-67 4-11-68	29.2 26.4	1400.8 1403.6	5050 5050

TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
KELSEYVILLE VALLEY 5-15.00						HIGH VALLEY 5-16.00					
13N/09W-22F01M	1444.0	10-26-67 4-09-68	40.1 37.2	1403.9 1406.8	5050 5050	14N/08W-24B02M	1775.0	10-30-67 4-16-68	102.9 92.0	1672.1 1683.0	5111 5111
13N/09W-22J01M	1419.8	10-23-67 4-09-68	54.1 42.5	1365.7 1377.3	5111 5111	14N/08W-24H01M	1740.0	10-30-67 4-16-68	65.3 52.2	1674.7 1687.8	5111 5111
13N/09W-22M01M	1485.0	10-26-67 4-09-68	104.7 87.3	1380.3 1397.7	5111 5111	14N/08W-24L01M	1750.0	10-30-67 4-16-68	79.4 66.6	1670.6 1683.4	5111 5111
13N/09W-22R01M	1440.0	10-23-67 4-09-68	16.9 13.9	1423.1 1426.1	5111 5111	BURNS VALLEY 5-17.00					
13N/09W-23F01M	1426.9	10-23-67 4-05-68	52.1 48.2	1374.8 1378.7	5111 5111	13N/07W-15Q01M	1385.0	10-17-67 11-15-67 3-20-68 4-12-68 5-14-68	7.8 7.4 1.4 1.3 1.2	1377.2 1377.6 1383.6 1383.7 1383.8	5050 5050 5050 5050 5050
13N/09W-27D01M	1504.0	10-26-67 4-16-68	17.8 16.4	1486.2 1487.6	5111 5111	13N/07W-21H01M	1360.0	10-30-67 4-16-68	19.0 11.8	1341.0 1348.2	5111 5111
13N/09W-27Q01M	1435.0	10-23-67 4-09-68	27.3 26.7	1407.7 1408.3	5111 5111	13N/07W-28R01M	1330.0	10-30-67 4-16-68	7.2 3.1	1322.8 1326.9	5111 5111
13N/09W-28J02M	1600.0	10-23-67 4-09-68	87.9 86.7	1512.1 1513.3	5111 5111	LOWER LAKE AREA 5-30.00					
13N/09W-28K01M	1580.0	10-23-67 4-09-68	(4) 55.9 52.1	1524.1 1527.9	5111 5111	12N/07W-01M03M	1330.0	10-30-67 4-16-68	20.8 10.1	1309.2 1319.9	5111 5111
13N/09W-28N03M	1590.0	10-23-67 4-09-68	78.1 76.9	1511.9 1513.1	5111 5111	12N/07W-03J01M	1375.0	10-30-67 4-16-68	13.7 10.9	1361.3 1364.1	5111 5111
13N/09W-29L01M	1446.0	10-20-67 4-05-68	18.2 10.6	1427.8 1435.4	5111 5111	12N/07W-13N01M	1360.0	10-16-67 11-15-67 3-20-68 4-12-68 5-14-68	17.9 17.8 11.9 13.4 17.3	1342.1 1342.2 1348.1 1346.6 1342.7	5050 5050 5050 5050 5050
13N/09W-29R01M	1550.0	10-23-67 4-15-68	132.1 113.5	1417.9 1436.5	5111 5111	COYOTE VALLEY 5-18.00					
13N/09W-30A01M	1419.8	10-20-67 4-05-68	12.5 5.5	1407.3 1414.3	5111 5111	11N/06W-19F01M	964.7	10-27-67 4-16-68	12.5 11.4	952.2 953.3	5111 5111
14N/09W-31E01M	1329.7	10-20-67 4-05-68	7.5 -0.3	1322.2 1330.0	5111 5111	11N/06W-19G01M	967.8	10-16-67 11-15-67 3-20-68 4-12-68 5-14-68 9-19-68	13.8 13.4 10.6 12.0 13.8 15.7	954.0 954.4 957.2 955.8 954.0 952.1	5050 5050 5050 5050 5050 5050
14N/09W-31N01M	1334.7	10-20-67 4-05-68	14.5 2.6	1320.2 1332.1	5111 5111	11N/06W-19P02M	963.1	10-27-67 4-16-68	19.4 13.2	943.7 949.9	5111 5111
14N/09W-32G02M	1334.5	10-26-67 4-15-68	14.8 6.5	1319.7 1328.0	5111 5111	11N/06W-20E01M	973.3	10-27-67 4-16-68	16.9 12.5	956.4 960.8	5111 5111
14N/09W-32M01M	1335.2	10-26-67 4-15-68	12.0 4.9	1323.2 1330.3	5111 5111	11N/06W-27M01M	944.6	10-27-67 4-16-68	17.1 10.8	927.5 933.8	5111 5111
14N/09W-33K01M	1335.3	10-18-67 11-16-67 3-20-68 4-11-68 5-15-68	13.0 12.5 4.8 6.0 8.1	1322.3 1322.8 1330.5 1329.3 1327.2	5050 5050 5050 5050 5050	11N/06W-29M01M	955.1	10-27-67 4-16-68	(9) 8.0	947.1	5111 5111
14N/09W-33L03M	1330.0	10-26-67 4-15-68	10.5 3.5	1319.5 1326.5	5111 5111	11N/06W-30A02M	955.7	10-27-67 4-16-68	17.9 12.0	937.8 943.7	5111 5111
14N/09W-33M02M	1337.7	10-26-67 4-15-68	14.2 3.7	1323.5 1334.0	5111 5111	11N/07W-13M01M	993.4	10-27-67 4-16-68	16.9 14.2	976.5 979.2	5111 5111
14N/09W-34L03M	1336.6	10-26-67 4-15-68	12.5 3.9	1324.1 1332.7	5111 5111	11N/07W-25P01M	986.7	10-27-67 4-16-68	6.0 1.1	980.7 985.6	5111 5111
14N/09W-35L01M	1339.4	10-26-67 4-15-68	13.5 (6)	1325.9 5111	5111 5111	COLLAYOMI VALLEY 5-19.00					
14N/09W-35N01M	1342.6	10-26-67 4-15-68	17.2 9.6	1325.4 1333.0	5111 5111	10N/06W-06L01M	1106.4	10-27-67 4-16-68	10.5 2.9	1095.9 1103.5	5111 5111
14N/10W-25Q01M	1342.2	10-20-67 4-05-68	4.8 1.9	1337.4 1340.3	5111 5111	10N/06W-06R01M	1110.2	10-27-67 4-16-68	7.4 2.4	1102.8 1107.8	5111 5111
LONG VALLEY 5-31.00						10N/06W-08K01M	1152.6	10-27-67 4-16-68	20.8 10.7	1131.8 1141.9	5111 5111
14N/07W-06F01M	1320.0	10-17-67 4-12-68	18.2 (4)	1301.8 5050	5050 5050	10N/07W-01A01M	1087.3	10-27-67 4-16-68	10.1 4.7	1077.2 1082.6	5111 5111
14N/07W-06F05M	1320.0	10-17-67 4-12-68	22.4 13.8	1297.6 1306.2	5050 5050	10N/07W-03A02M	1107.7	10-16-67 11-15-68 3-20-68 4-12-68 5-14-68 9-19-68	19.3 18.5 10.7 13.7 14.6 26.3	1088.4 1089.2 1097.0 1094.0 1093.1 1081.4	5050 5050 5050 5050 5050 5050
HIGH VALLEY 5-16.00						14N/08W-23K01M	1780.0	10-30-67 4-16-68	11.6 1.9	1768.4 1778.1	5111 5111
14N/07W-19M01M	1730.0	10-30-67 4-16-68	24.5 5.5	1705.5 1724.5	5111 5111						
14N/07W-19M02M	1730.0	10-17-67 11-15-67 3-20-68 4-12-68 5-14-68	62.1 60.2 50.6 (8) 49.2	1667.9 1669.8 1679.4 5050 1680.8	5050 5050 5050 5050 5050						



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
COLLAYQMI VALLEY 5-19.00						TEHAMA COUNTY 5-21.01					
10N/07W-03B02M	1109.0	10-27-67 4-16-68	22.7 12.3	1086.3 1096.7	5111 5111	24N/02W-28G01M	188.4	10-10-67 3-13-68	30.5 26.2	157.9 162.2	5050 5050
10N/07W-03L04M	1125.8	10-27-67 4-16-68	9.5 9.0	1116.3 1116.8	5111 5111	24N/02W-29E01M	216.5	10-10-67 3-13-68	49.0 34.4	167.5 182.1	5050 5050
10N/07W-03M01M	1146.2	10-27-67 4-16-68	23.4 30.6	1122.8 1115.6	5111 5111	24N/02W-36B01M	180.0	10-10-67 3-13-68	15.0 15.2	165.0 164.8	5050 5050
10N/07W-04H01M	1131.3	10-27-67 4-16-68	14.5 9.9	1116.8 1121.4	5111 5111	24N/03W-03J01M	276.0	10-19-67 11-21-67 12-18-67 1-12-68 2-21-68 3-18-68 4-22-68 5-23-68 6-21-68 7-23-68 8-20-68 9-17-68	(1) 30.2 30.0 31.2 27.0 25.7 26.2 27.1 29.9 31.0 30.4 31.4	245.8 246.0 244.8 249.0 250.3 249.8 248.9 246.1 245.0 245.6 244.6	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
10N/07W-14P02M	1234.2	10-27-67 4-16-68	8.4 8.4	1225.8 1225.8	5111 5111	24N/03W-03N02M	285.8	10-10-67	(0)		5050
11N/07W-33J02M	1103.9	10-27-67 4-16-68	8.0 4.8	1095.9 1099.1	5111 5111	24N/03W-14K01M	297.0	10-10-67 3-14-68	83.8 59.9	213.2 237.1	5050 5050
11N/07W-33M01M	1150.6	10-27-67 4-16-68	18.9 8.7	1131.7 1141.9	5111 5111	24N/03W-16A01M	288.5	10-13-67 3-14-68	47.9 49.8	240.6 238.7	5050 5050
11N/07W-34K01M	1088.2	10-27-67 4-16-68	12.0 10.1	1076.2 1078.1	5111 5111	24N/03W-26K01M	280.0	10-11-67 3-14-68	66.7 46.2	213.3 233.8	5050 5050
11N/07W-35E01M	1077.0	10-27-67 (4) 4-16-68	18.6 8.6	1058.4 1068.4	5111 5111	24N/03W-35P04M	250.0	10-26-67 3-14-68	36.8 26.6	213.2 223.4	5050 5050
SACRAMENTO VALLEY 5-21.00						24N/04W-02N01M	379.2	10-13-67 3-14-68	18.0 14.5	361.2 364.7	5050 5050
TEHAMA COUNTY 5-21.01						24N/04W-07R01M	460.0	10-05-67 3-06-68	71.0 64.6	389.0 395.4	5001 5001
23N/02W-07R01M	255.0	10-13-67 3-18-68	101.2 88.0	153.8 167.0	5050 5050	24N/04W-08J02M	435.0	10-05-67 3-06-68	76.3 62.6	358.7 372.4	5001 5001
23N/02W-16B01M	182.5	10-13-67 3-18-68	37.4 28.1	145.1 154.4	5050 5050	24N/04W-09A02M	405.0	10-05-67 3-06-68	104.3 85.9	300.7 319.1	5001 5001
23N/02W-22N02M	181.0	10-13-67 3-13-68	36.6 29.5	144.4 151.5	5050 5050	24N/04W-09J01M	420.0	10-05-67 3-06-68	91.8 70.3	328.2 345.7	5001 5001
23N/02W-34A01M	170.0	10-13-67 3-13-68	28.9 17.6	141.1 152.4	5050 5050	24N/04W-09J02M	422.0	10-05-67 3-06-68	81.1 72.6	340.9 349.4	5001 5001
23N/03W-05G01M	277.0	10-19-67 11-21-67 12-18-67 1-12-68 2-21-68 3-18-68 4-22-68 5-23-68 6-21-68 7-23-68 8-20-68 9-17-68	54.0 52.8 51.5 51.1 46.7 45.8 45.9 46.6 49.1 52.4 53.0 55.0	223.0 224.2 225.5 225.9 230.3 231.2 231.1 230.4 227.9 224.6 224.0 222.0	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	24N/04W-14N02M	372.5	10-13-67 3-14-68	80.7 68.9	291.8 303.6	5050 5050
23N/03W-12G01M	266.0	10-13-67 3-13-68	103.9 93.6	162.1 172.4	5050 5050	24N/04W-21G01M	396.0	10-13-67 3-14-68	76.3 73.0	319.7 323.0	5050 5050
23N/03W-12P02M	216.0	10-13-67 3-13-68	39.9 23.2	176.1 192.8	5050 5050	24N/05W-12N01M	499.0	10-13-67 3-14-68	31.2 30.9	467.8 468.1	5050 5050
23N/03W-13C02M	211.0	10-19-67 11-21-67 12-18-67 1-12-68 2-21-68 3-18-68 4-22-68 5-23-68 6-21-68 7-23-68 8-20-68 9-17-68	26.3 26.0 25.2 27.3 19.5 19.6 18.4 18.8 22.2 23.3 25.5 26.5	184.7 185.0 185.8 183.7 191.5 191.4 192.6 192.2 188.8 187.7 185.5 184.5	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	25N/01W-31M01M	280.0	10-10-67 3-13-68	58.2 57.7	221.8 222.3	5050 5050
23N/03W-22Q01M	232.0	10-13-67 3-18-68	55.7 48.1	176.3 183.9	5050 5050	25N/02W-06N01M	221.0	10-12-67 3-15-68	20.3 15.5	200.7 205.5	5050 5050
23N/03W-24A02M	205.0	10-13-67 3-13-68	44.5 28.9	160.5 176.1	5050 5050	25N/02W-16H01M	218.0	10-12-67 3-13-68	17.0 17.5	201.0 200.5	5050 5050
24N/01W-06A01M	281.0	10-10-67 3-13-68	16.8 17.2	264.2 263.8	5050 5050	25N/02W-18F01M	215.0	10-14-67 3-15-68	16.7 11.3	198.3 203.7	5050 5050
24N/01W-08R01M	275.0	10-10-67 3-13-68	60.1 56.1	214.9 218.9	5050 5050	25N/02W-30G01M	226.0	10-12-67 3-15-68	39.3 37.6	186.7 188.4	5050 5050
24N/01W-18N01M	254.0	10-10-67 3-13-68	61.3 (0)	192.7	5050 5050	25N/02W-34K01M	204.0	10-10-67 3-15-68	14.0 13.8	190.0 190.2	5050 5050
24N/02W-02N01M	205.0	10-19-67 11-21-67 12-18-67 1-12-68 2-21-68 3-18-68 4-22-68 5-23-68 6-21-68 7-23-68 8-20-68 9-17-68	8.0 8.0 (1) 10.0 7.8 8.1 7.3 7.4 7.4 8.0 6.4 6.6	197.0 197.0 5050 195.0 197.2 196.9 197.7 197.6 197.6 197.0 198.6 198.4	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	25N/03W-03L01M	275.0	10-14-67 3-15-68	31.8 34.4	243.2 240.6	5050 5050
24N/02W-23G01M	197.0	10-10-67 3-13-68	21.6 21.6	175.4 175.4	5050 5050	25N/03W-06B01M	319.5	10-14-67 3-15-68	41.7 44.0	277.8 275.5	5050 5050
						25N/03W-09K01M	285.6	10-26-67 3-14-68	44.4 29.7	241.2 255.9	5050 5050
						25N/03W-10L01M	274.0	10-19-67 11-21-67 12-18-67 1-12-68 2-21-68 3-18-68 4-22-68 5-23-68 6-21-68 7-23-68 8-20-68 9-17-68	63.4 44.5 41.1 39.9 36.7 35.3 63.0 58.2 77.2 85.1 71.8 65.9	210.6 229.5 232.9 234.1 237.3 238.7 211.0 215.8 196.8 188.9 202.2 208.1	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA		
TEHAMA COUNTY 5-21.01						TEHAMA COUNTY 5-21.01							
25N/03W-10L02M	274.0	10-19-67	12.6	261.4	5050	26N/02W-09D01M	246.0	10-12-67	22.0	224.0	5050		
		11-21-67	13.6	260.4	5050			3-12-68	18.5	227.5	5050		
		12-18-67	13.0	261.0	5050			26N/02W-14G01M	311.7	10-12-67	80.7	231.0	5050
		1-12-68	13.5	260.5	5050					3-12-68	76.2	235.5	5050
		2-21-68	6.3	267.7	5050					26N/02W-21Q01M	235.0	10-12-67	20.5
		3-18-68	6.6	267.4	5050			3-15-68	17.5			217.5	5050
		4-22-68	8.4	265.6	5050			26N/02W-29N01M	220.0			10-12-67	15.2
		5-23-68	9.0	265.0	5050					3-15-68	14.3	205.7	5050
		6-21-68	9.9	264.1	5050					26N/02W-29R01M	228.0	10-12-67	8.2
		7-23-68	10.6	263.4	5050			3-15-68	2.8			225.2	5050
		8-20-68	11.2	262.8	5050			26N/02W-29R02M	228.0			10-12-67	4.5
9-17-68	11.6	262.4	5050	3-15-68	8.1	219.9	5050						
25N/03W-10L03M	274.0	10-19-67	62.2	211.8	5050	26N/03W-04K01M	295.0			10-14-67	79.3	215.7	5050
		11-21-67	45.2	228.8	5050			3-15-68	64.0	231.0	5050		
		12-18-67	41.4	232.6	5050			26N/03W-06Q01M	314.8	10-14-67	68.4	246.4	5050
		1-12-68	40.2	233.8	5050	3-15-68	12.3			302.5	5050		
		2-21-68	37.2	236.8	5050	26N/03W-08N01M	307.6			10-14-67	57.4	250.2	5050
		3-18-68	35.8	238.2	5050			3-15-68	48.8	258.8	5050		
		4-22-68	60.5	213.5	5050			26N/03W-11F01M	262.0	10-26-67	38.8	223.2	5050
		5-23-68	58.5	215.5	5050	3-15-68	33.1			228.9	5050		
		6-21-68	76.3	197.7	5050	26N/03W-14A01M	252.1			10-10-67	31.8	220.3	5050
		7-23-68	83.7	190.3	5050			3-15-68	25.1	227.0	5050		
		8-20-68	74.2	199.8	5050			26N/03W-19A01M	310.5	10-14-67	30.0	280.5	5050
9-17-68	64.8	209.2	5050	3-15-68	7.7	302.8	5050						
25N/03W-10L04M	274.0	10-19-67	21.3	252.7	5050	26N/03W-21P01M	284.5			10-19-67	69.0	215.5	5050
		11-21-67	21.2	252.8	5050			11-21-67	67.0	217.5	5050		
		12-18-67	20.8	253.2	5050			12-18-67	51.4	233.1	5050		
		1-12-68	19.9	254.1	5050	1-12-68	50.7	233.8	5050				
		2-21-68	17.7	256.3	5050	2-21-68	48.2	236.3	5050				
		3-18-68	17.6	256.4	5050	3-18-68	48.9	235.6	5050				
		4-22-68	17.5	256.5	5050	4-22-68	70.4	214.1	5050				
		5-23-68	18.4	255.6	5050	5-23-68	64.9	219.6	5050				
		6-21-68	19.1	254.9	5050	6-21-68	79.7	204.8	5050				
		7-23-68	20.2	253.8	5050	7-23-68	83.5	201.0	5050				
		8-20-68	20.9	253.1	5050	8-20-68	85.3	199.2	5050				
9-17-68	21.1	252.9	5050	9-17-68	72.0	212.5	5050						
25N/03W-10L05M	274.0	10-19-67	20.1	253.9	5050	26N/03W-24F01M	230.0	10-12-67	12.8	217.2	5050		
		11-21-67	17.9	256.1	5050			3-15-68	10.1	219.9	5050		
		12-18-67	16.8	257.2	5050			26N/03W-31N01M	331.2	10-14-67	DRY		5050
		1-12-68	16.9	257.1	5050	3-15-68	51.0			280.2	5050		
		2-21-68	12.1	261.9	5050	26N/03W-34L02M	270.7			10-26-67	(1)		5050
		3-18-68	11.5	262.5	5050			3-15-68	37.2	233.5	5050		
		4-22-68	16.9	257.1	5050			26N/03W-34P01M	272.9	10-26-67	58.7	214.2	5050
		5-23-68	17.9	256.1	5050	3-15-68	39.0			233.9	5050		
		6-21-68	20.7	253.3	5050	27N/02W-29E01M	294.3			10-19-67	54.6	239.7	5050
		7-23-68	21.8	252.2	5050			11-21-67	53.7	240.6	5050		
		8-20-68	22.2	251.8	5050			12-18-67	52.8	241.5	5050		
9-17-68	20.6	253.4	5050	1-12-68	52.9	241.4	5050						
25N/03W-10M01M	278.0	10-14-67	69.9	208.1	5050	2-21-68	51.2	243.1	5050				
		3-14-68	39.9	238.1	5050	3-18-68	51.0	243.3	5050				
25N/03W-11F01M	256.0	10-26-67	42.9	213.1	5050	4-22-68	51.7	242.6	5050				
		3-14-68	25.6	230.4	5050	5-23-68	53.4	240.9	5050				
*25N/03W-13A01M	213.0	10-14-67	11.7	201.3	5050	6-21-68	55.6	238.7	5050				
		3-15-68	6.8	206.2	5050	7-23-68	59.5	234.8	5050				
25N/03W-13F01M	246.0	10-14-67	46.7	199.3	5050	8-20-68	(8)		5050				
		3-14-68	36.6	209.4	5050	9-17-68	57.5	236.8	5050				
25N/03W-13J01M	230.7	10-14-67	37.0	193.7	5050	27N/02W-30C01M	280.0	10-19-67	30.3	249.7	5050		
		3-14-68	28.5	202.2	5050			11-21-67	30.0	250.0	5050		
25N/03W-14A01M	252.2	10-14-67	44.5	207.7	5050			12-18-67	30.1	249.9	5050		
		3-14-68	22.9	229.3	5050	1-12-68	30.4	249.6	5050				
25N/03W-15A01M	266.5	10-14-67	57.0	209.5	5050	2-21-68	28.6	251.4	5050				
		3-14-68	37.2	229.3	5050	3-18-68	28.6	251.4	5050				
25N/03W-15P01M	271.7	10-26-67	50.8	220.9	5050	4-22-68	29.2	250.8	5050				
		3-14-68	32.2	239.5	5050	5-23-68	30.4	249.6	5050				
25N/03W-19N01M	325.0	10-14-67	74.7	250.3	5050	6-21-68	33.8	246.2	5050				
		3-14-68	56.6	268.4	5050	7-23-68	37.7	242.3	5050				
25N/03W-20E01M	305.0	10-14-67	55.1	249.9	5050	8-21-68	35.0	245.0	5050				
		3-15-68	42.4	262.6	5050	9-17-68	32.7	247.3	5050				
25N/03W-22C01M	268.3	10-26-67	(8)		5050	27N/02W-31C01M	261.0	10-12-67	29.4	231.6	5050		
		3-14-68	26.2	242.1	5050			3-12-68	24.4	236.6	5050		
25N/03W-22L01M	275.0	10-14-67	68.0	207.0	5050			27N/02W-31P01M	255.0	10-05-67	20.1	234.9	5050
		3-14-68	35.6	239.4	5050	3-12-68	(0)				5050		
25N/03W-31R01M	318.0	10-14-67	12.0	306.0	5050	27N/03W-10N01M	280.0	10-12-67	35.8	244.2	5050		
		3-14-68	5.2	312.8	5050			3-12-68	30.4	249.6	5050		
26N/02W-04B01M	270.0	10-12-67	40.4	229.6	5050	27N/03W-19A01M	330.0	10-13-67	43.8	286.2	5050		
		3-12-68	39.8	230.2	5050			3-12-68	30.2	299.8	5050		
26N/02W-05D01M	252.0	10-19-67	22.9	229.1	5050	27N/03W-19J01M	310.0	10-13-67	96.9	213.1	5050		
		11-21-67	22.6	229.4	5050			3-18-68	87.3	222.7	5050		
		12-18-67	22.4	229.6	5050	27N/03W-23D01M	269.0	10-12-67	28.5	240.5	5050		
		1-12-68	22.3	229.7	5050			3-12-68	22.8	246.2	5050		
		2-21-68	21.0	231.0	5050			27N/03W-36J01M	251.0	10-12-67	17.3	233.7	5050
		3-18-68	19.9	232.1	5050	3-12-68	15.2			235.8	5050		
		4-22-68	21.8	230.2	5050	27N/04W-35E01M	436.0			10-14-67	124.4	311.6	5050
		5-23-68	21.8	230.2	5050			3-15-68	110.1	325.9	5050		
		6-21-68	23.4	228.6	5050								
		7-23-68	26.0	226.0	5050								
		8-20-68	29.0	223.0	5050								
		9-17-68	27.9	224.1	5050								

\*Previously published as 25N/02W-18D01M



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
GLENN COUNTY 5-21.02						GLENN COUNTY 5-21.02					
18N/01E-17D01M	70.4	10-09-67 3-12-68	8.1 5.1	62.3 65.3	5105 5105	19N/02W-13J01M	86.0	10-23-67 11-27-67 12-19-67 1-23-68 2-21-68 3-19-68 4-17-68 5-21-68 6-18-68 7-22-68 8-20-68 9-23-68	9.8 11.7 11.6 10.4 8.3 7.5 11.1 9.9 10.4 10.4 9.7 10.5	76.2 74.3 74.4 75.6 77.7 78.5 74.9 76.1 75.6 75.6 76.3 75.5	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
18N/01W-01Q02M	73.0	10-09-67 3-12-68	8.0 2.1	65.0 70.9	5105 5105	19N/02W-15J01M	85.0	10-10-67 3-09-68	7.0 5.9	78.0 79.1	5105 5105
18N/01W-03J01M	77.5	10-09-67 3-11-68	14.1 9.9	63.4 67.6	5105 5105	19N/02W-19D01M	103.0	10-10-67 3-09-68	4.8 3.6	98.2 99.4	5105 5105
18N/01W-07D01M	81.0	10-09-67 3-09-68	7.0 4.3	74.0 76.7	5105 5105	19N/02W-23Q01M	86.0	10-10-67 3-09-68	7.9 5.2	78.1 80.8	5105 5105
18N/01W-13A01M	74.4	10-09-67 3-12-68	12.0 6.1	62.4 68.3	5105 5105	19N/02W-29Q01M	90.0	10-10-67 3-09-68	4.0 2.2	86.0 87.8	5105 5105
18N/01W-14D01M	75.8	10-09-67 3-12-68	11.9 7.7	63.9 68.1	5105 5105	19N/02W-30D01M	100.0	10-10-67 3-09-68	9.2 8.6	90.8 91.4	5105 5105
18N/01W-16B01M	74.0	10-09-67 3-11-68	11.0 8.2	63.0 65.8	5105 5105	19N/02W-34F01M	83.0	10-09-67 3-09-68	4.5 3.0	78.5 80.0	5105 5105
18N/01W-17A01M	80.3	10-09-67 3-11-68	16.3 9.8	64.0 70.5	5105 5105	19N/02W-36H01M	81.4	10-09-67 3-09-68	7.5 3.5	73.9 77.9	5105 5105
18N/01W-17G01M	79.0	10-09-67 3-11-68	16.0 9.4	63.0 69.6	5105 5105	19N/03W-01N01M	117.0	10-10-67 3-09-68	5.6 7.8	111.4 109.2	5105 5105
18N/01W-22L01M	70.0	10-09-67 3-11-68	8.2 6.3	61.8 63.7	5105 5105	19N/03W-02N01M	120.0	10-10-67 3-03-68	9.7 9.3	110.3 110.7	5105 5105
18N/02W-01N01M	75.0	10-09-67 3-09-68	6.3 4.8	68.7 70.2	5105 5105	19N/03W-03Q01M	128.0	10-10-67 3-03-68	7.8 9.8	120.2 118.2	5105 5105
18N/02W-07C01M	85.0	10-10-67 3-09-68	21.2 8.6	63.8 76.4	5105 5105	19N/03W-08B01M	134.1	10-11-67 3-08-68	34.9 29.7	99.2 104.4	5105 5105
18N/03W-09A01M	102.7	10-10-67 3-09-68	6.7 4.5	96.0 98.2	5105 5105	19N/03W-11N02M	123.0	10-10-67 3-09-68	8.7 11.6	114.3 111.4	5105 5105
18N/03W-09A02M	102.7	10-10-67 3-09-68	4.3 4.7	98.4 98.0	5105 5105	19N/03W-14N01M	107.7	10-10-67 3-09-68	5.8 (6)	101.9 5105	5105 5105
18N/03W-10L01M	95.0	10-23-67 11-27-67 12-19-67 1-24-68 2-21-68 3-19-68 4-17-68 5-21-68 6-18-68 7-22-68 8-20-68 9-23-68	6.1 5.9 5.8 5.5 3.1 4.8 5.6 4.1 4.0 3.9 3.3 3.5	88.9 89.1 89.2 89.5 91.9 90.2 89.4 90.9 91.0 91.1 91.7 91.5	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	19N/03W-32E01M	130.0	10-10-67 3-09-68	21.9 11.6	108.1 118.4	5105 5105
18N/03W-20C01M	109.0	10-10-67 3-09-68	3.1 2.6	105.9 106.4	5105 5105	19N/04W-01A01M	165.0	10-10-67 3-08-68	65.0 52.8	100.0 112.2	5105 5105
18N/03W-22D01M	94.0	10-10-67 3-09-68	1.0 1.3	93.0 92.7	5105 5105	19N/04W-03J01M	188.7	10-10-67 3-08-68	29.1 29.5	159.6 159.2	5105 5105
18N/04W-11B03M	151.0	10-13-67 3-09-68	30.4 30.8	120.6 120.2	5105 5105	19N/04W-11L01M	184.0	10-10-67 3-08-68	52.1 52.5	131.9 131.5	5105 5105
18N/04W-12A01M	130.0	10-10-67 3-09-68	12.1 10.9	117.9 119.1	5105 5105	19N/04W-12E01M	174.0	10-23-67 11-27-67 12-19-67 1-24-68 2-21-68 3-19-68 4-17-68 5-21-68 6-18-68 7-22-68 8-20-68 9-23-68	66.4 63.8 62.9 61.8 60.6 59.7 59.1 65.0 93.4 93.8 70.1 77.9	107.6 110.2 111.1 112.2 113.4 114.3 114.9 109.0 80.6 80.2 103.9 96.1	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
18N/04W-23F01M	151.0	10-10-67 3-09-68	14.7 13.2	136.3 137.8	5105 5105	19N/04W-25B01M	152.3	10-10-67 3-09-68	46.1 43.1	106.2 109.2	5105 5105
19N/01E-08R01M	91.0	10-09-67 3-12-68	5.4 5.0	85.6 86.0	5105 5105	19N/04W-35C01M	165.0	10-10-67 3-09-68	62.3 48.6	102.7 116.4	5105 5105
19N/01W-07B01M	96.0	10-10-67 3-11-68	20.1 17.1	75.9 78.9	5105 5105	20N/01W-07B01M	115.0	10-11-67 3-11-68	7.7 7.6	107.3 107.4	5105 5105
19N/01W-09C01M	97.0	10-09-67 3-12-68	18.0 13.0	79.0 84.0	5105 5105	20N/01W-20N02M	102.0	10-11-67 3-09-68	12.8 12.8	89.2 89.2	5105 5105
19N/01W-10D01M	92.5	10-09-67 3-12-68	12.6 9.4	79.9 83.1	5105 5105	20N/01W-31E01M	96.0	10-11-67 3-09-68	8.7 (7)	87.3 5105	5105 5105
19N/01W-14K01M	87.0	10-09-67 3-12-68	9.7 7.8	77.3 79.2	5105 5105	20N/02W-02J01M	125.0	10-11-67 3-09-68	7.4 8.5	117.6 116.5	5105 5105
19N/01W-15D01M	91.0	10-09-67 3-12-68	12.7 8.8	78.3 82.2	5105 5105	20N/02W-05A01M	144.0	10-15-67 3-08-68	20.0 15.7	124.0 128.3	5105 5105
19N/01W-20A01M	94.8	10-09-67 3-12-68	21.2 16.7	73.6 78.1	5105 5105	20N/02W-09A01M	131.8	10-11-67 3-11-68	5.3 7.3	126.5 124.5	5105 5105
19N/01W-26N01M	80.8	10-09-67 3-11-68	13.0 8.8	67.8 72.0	5105 5105	20N/02W-13G01M	113.0	10-11-67 3-11-68	3.5 4.6	109.5 108.4	5105 5105
19N/02W-01F01M	92.0	10-11-67 3-09-68	5.8 3.4	86.2 88.6	5105 5105	20N/02W-27J01M	102.0	10-11-67 3-11-68	4.3 5.0	97.7 97.0	5105 5105
19N/02W-05N01M	111.0	10-10-67 3-09-68	6.0 7.6	105.0 103.4	5105 5105						
19N/02W-09A01M	96.1	10-10-67 3-09-68	4.8 4.8	91.3 91.3	5105 5105						
19N/02W-10H01M	92.0	10-10-67 3-09-68	8.2 5.7	83.8 86.3	5105 5105						



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
GLENN COUNTY 5-21.02						GLENN COUNTY 5-21.02					
20N/02W-29G01M	117.0	10-23-67	4.5	112.5	5050	21N/03W-02B01M	219.0	10-23-67	33.0	186.0	5050
		11-27-67	7.6	109.4	5050			11-27-67	23.1	195.9	5050
		12-19-67	8.0	109.0	5050			12-19-67	21.1	197.9	5050
		1-24-68	8.3	108.7	5050			1-24-68	21.2	197.8	5050
		2-21-68	5.6	111.4	5050			2-21-68	21.0	198.0	5050
		3-19-68	7.6	109.4	5050			3-19-68	18.5	200.5	5050
		4-17-68	4.8	112.2	5050			4-17-68	(1)		5050
		5-21-68	4.2	112.8	5050			5-21-68	(1)		5050
		6-18-68	5.2	111.8	5050			6-18-68	(1)		5050
		7-22-68	5.4	111.6	5050			7-22-68 (3)	48.4	170.6	5050
		8-20-68	3.2	113.8	5050			8-20-68	(1)		5050
		9-23-68	4.9	112.1	5050			9-23-68	(1)		5050
		20N/03W-03D02M	164.0	10-11-67	40.8			123.2	5105	21N/03W-09R01M	220.8
3-08-68	28.4			135.6	5105	3-07-68	29.7	191.1	5001		
20N/03W-07K03M	166.0	10-04-67	59.9	106.1	5001	21N/03W-10J01M	205.7	10-23-67	29.3	176.4	5050
		3-07-68	45.4	120.6	5001			11-27-67	25.8	179.9	5050
20N/03W-10B01M	155.0	10-11-67	47.2	107.8	5105			12-19-67	25.8	179.9	5050
		3-08-68	27.0	128.0	5105			1-24-68	22.9	182.8	5050
20N/03W-10D02M	156.0	10-13-67	41.1	114.9	5105			2-21-68	20.2	185.5	5050
		3-08-68	26.8	129.2	5105			3-19-68	21.8	183.9	5050
20N/03W-12C01M	159.0	10-11-67	44.6	114.4	5105			4-17-68	22.5	183.2	5050
		3-08-68	32.0	127.0	5105			5-21-68	26.9	178.8	5050
20N/03W-19B01M	159.5	10-04-67	58.9	100.6	5001			6-18-68	29.9	175.8	5050
		3-07-68	35.5	124.0	5001			7-22-68	32.5	173.2	5050
20N/03W-21A02M	143.7	10-04-67	43.1	100.6	5001	8-20-68	33.7	172.0	5050		
		3-07-68	29.1	114.6	5001	9-23-68	32.6	173.1	5050		
20N/03W-24B03M	142.0	10-11-67	26.4	115.6	5105	21N/03W-11G01M	200.0	10-11-67	36.8	163.2	5105
		3-05-68	24.0	118.0	5105			3-08-68	23.2	176.8	5105
20N/03W-25Q01M	134.0	10-11-67	21.5	112.5	5105	21N/03W-11M01M	206.5	10-11-67	65.3	141.2	5105
		3-08-68	21.6	112.4	5105			3-08-68	44.8	161.7	5105
20N/03W-31A01M	147.5	10-04-67	50.5	97.0	5001	21N/03W-12C01M	202.0	10-15-67	19.7	182.3	5105
		3-08-68	44.3	103.2	5001			3-08-68	24.7	177.3	5105
20N/03W-33J01M	136.0	10-04-67	32.8	103.2	5001	21N/03W-12C02M	202.0	10-11-67	37.5	164.5	5105
		3-07-68	22.7	113.3	5001			3-08-68	24.7	177.3	5105
21N/01W-04N01M	135.0	10-11-67	19.1	115.9	5105	21N/03W-14B01M	197.8	10-11-67	42.6	155.2	5105
		3-11-68	14.9	120.1	5105			3-08-68	31.4	166.4	5105
21N/01W-05A01M	143.5	10-11-67	23.8	119.7	5105	21N/03W-15C01M	215.0	10-11-67	41.7	173.3	5105
		3-11-68	17.3	126.2	5105			3-08-68	34.0	181.0	5105
21N/01W-09N01M	129.0	10-11-67	17.4	111.6	5105	21N/03W-18B01M	218.0	10-05-67	86.2	131.8	5001
		3-11-68	12.8	116.2	5105			3-07-68	69.5	148.5	5001
21N/01W-17F01M	132.5	10-11-67	18.7	113.8	5105	21N/03W-20D02M	206.1	10-05-67	71.4	134.7	5001
		3-11-68	16.2	116.3	5105			3-07-68	55.9	150.2	5001
21N/01W-18F01M	139.1	10-12-67	8.4	130.7	5105	21N/03W-29F02M	192.0	10-05-67	67.1	124.9	5001
		3-07-68	7.4	131.7	5105			3-07-68	50.5	141.5	5001
21N/01W-31E01M	129.8	10-11-67	10.4	119.4	5105	21N/03W-31C02M	199.0	10-05-67	80.6	118.4	5001
		3-11-68	12.4	117.4	5105			3-07-68	66.2	132.8	5001
21N/01W-33N01M	115.0	10-11-67	18.5	96.5	5105	21N/03W-31K01M	192.0	10-05-67	82.7	109.3	5001
		3-11-68	15.0	100.0	5105			3-07-68	79.6	112.4	5001
21N/02W-02B02M	161.0	10-12-67	23.9	137.1	5105	21N/03W-31R02M	183.0	10-23-67	65.3	117.7	5050
		3-11-68	17.0	144.0	5105			11-27-67	60.7	122.3	5050
21N/02W-03Q01M	162.6	10-12-67	30.3	132.3	5105			12-19-67	57.9	125.1	5050
		3-07-68	17.7	144.9	5105			1-24-68	55.9	127.1	5050
21N/02W-09M02M	179.0	10-12-67	41.1	137.9	5105			2-21-68	53.9	129.1	5050
		3-07-68	36.0	143.0	5105			3-19-68	52.3	130.7	5050
21N/02W-15B01M	161.0	10-12-67	33.4	127.6	5105			4-17-68	71.2	111.8	5050
		3-07-68	21.3	139.7	5105			5-21-68	66.8	116.2	5050
21N/02W-20B01M	166.0	10-12-67	40.7	125.3	5105			6-18-68	77.2	105.8	5050
		3-08-68	28.3	137.7	5105			7-22-68	82.0	101.0	5050
21N/02W-20E01M	170.0	10-12-67	45.1	124.9	5105			8-20-68	83.7	99.3	5050
		3-08-68	34.9	135.1	5105			9-23-68	80.6	102.4	5050
21N/02W-22J01M	152.0	10-11-67	28.3	123.7	5105			21N/03W-31R03M	183.0	10-23-67	4.6
		3-09-68	22.7	129.3	5105	11-27-67	4.9			178.1	5050
21N/02W-23G01M	152.0	10-11-67	25.1	126.9	5105	12-19-67	5.1	177.9	5050		
		3-09-68	19.6	132.4	5105	1-24-68	5.3	177.7	5050		
21N/02W-23H01M	142.6	10-11-67	16.2	126.4	5105	2-21-68	4.9	178.1	5050		
		3-09-68	12.3	130.3	5105	3-19-68	5.0	178.0	5050		
21N/02W-28M01M	151.0	10-12-67	28.1	122.9	5105	4-17-68	5.0	178.0	5050		
		3-08-68	20.7	130.3	5105	5-21-68	5.1	177.9	5050		
21N/02W-31D01M	165.0	10-12-67	42.5	122.5	5105	6-18-68	4.9	178.1	5050		
		3-08-68	33.6	131.4	5105	7-22-68	5.2	177.8	5050		
21N/02W-31D02M	165.0	10-17-67	42.4	122.6	5105	8-20-68	5.2	177.8	5050		
		3-08-68	33.6	131.4	5105	9-23-68	4.7	178.3	5050		
21N/02W-31M01M	161.0	10-11-67	38.2	122.8	5105	21N/03W-31R04M	183.0	10-23-67	63.2	119.8	5050
		3-08-68	33.0	128.0	5105			11-27-67	58.6	124.4	5050
21N/02W-35P01M	128.0	10-11-67	5.2	122.8	5105			12-19-67	55.6	127.4	5050
		3-11-68	7.2	120.8	5105			1-24-68	53.2	129.8	5050
								2-21-68	51.1	131.9	5050
								3-19-68	49.5	133.5	5050
								4-17-68	70.9	112.1	5050
								5-21-68	62.2	120.8	5050
								6-18-68	75.8	107.2	5050
								7-22-68	80.9	102.1	5050
								8-20-68	93.3	89.7	5050
								9-23-68	79.5	103.5	5050
								21N/03W-31R05M	183.0	10-23-67	63.2
						11-27-67	59.0			124.0	5050
						12-19-67	56.0			127.0	5050
						1-24-68	52.8			130.2	5050
								2-21-68	50.4	132.6	5050
								3-19-68	47.6	135.4	5050
								4-17-68	54.6	128.4	5050



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA			
GLENN COUNTY 5-21.02						GLENN COUNTY 5-21.02								
21N/03W-31R05M (Continued)	183.0	5-21-68	60.3	122.7	5050	22N/02W-31Q01M	198.6	10-12-67	19.7	178.9	5105			
		6-18-68	64.1	118.9	5050			3-07-68	13.8	184.8	5105			
		7-22-68	71.5	111.5	5050			22N/02W-32H03M	187.0	10-12-67	12.0	175.0	5105	
		8-20-68	73.7	109.3	5050					3-07-68	10.2	176.8	5105	
		9-23-68	71.7	111.3	5050					22N/02W-36D01M	158.7	10-15-67	13.0	145.7
21N/03W-31R06M	183.0	10-23-67	4.8	178.2	5050	3-11-68	11.8	146.9	5101					
		11-27-67	6.2	176.8	5050	22N/03W-01L01M	237.0	10-13-67	18.7			218.3	5101	
		12-19-67	6.7	176.3	5050			3-07-68	13.8			223.2	5101	
		1-24-68	6.6	176.4	5050	22N/03W-04E01M	283.0	10-05-67	70.6			212.4	5001	
		2-21-68	0.4	182.6	5050			3-07-68	67.0	216.0	5001			
21N/03W-32N01M	184.4	3-19-68	2.7	180.3	5050	22N/03W-05F01M	293.0	10-05-67	43.1	249.9	5001			
		4-17-68	3.6	179.4	5050			3-07-68	44.6	248.4	5001			
		5-21-68	4.0	179.0	5050	22N/03W-07C01M	300.0	10-05-67	7.5	292.5	5001			
		6-18-68	3.4	179.6	5050			3-07-68	5.4	294.6	5001			
		7-22-68	3.4	179.6	5050	22N/03W-10Q01M	256.2	10-13-67	12.2	244.0	5105			
		8-20-68	2.8	180.2	5050			3-07-68	12.2	244.0	5105			
		9-23-68	3.1	179.9	5050	22N/03W-17Q01M	275.9	10-05-67	8.3	267.6	5001			
		21N/03W-33A04M	174.0	10-05-67	55.7			118.3	5001	3-07-68	9.1	266.8	5001	
				3-07-68	35.0	139.0	5001	22N/03W-21F01M	262.0	10-23-67	15.8	246.2	5050	
21N/03W-35L01M	163.0	10-11-67	43.1	119.9	5105	11-27-67	17.5			244.5	5050			
		3-08-68	35.7	127.3	5105	12-19-67	18.7			243.3	5050			
21N/03W-35L02M	160.0	3-08-68	29.6	130.4	5105	1-24-68	21.1			240.9	5050			
		10-05-67	102.3	146.7	5001	2-21-68	17.9			244.1	5050			
3-07-68	90.7	158.3	5001	3-19-68	18.4	243.6	5050							
21N/04W-12B02M	249.0	10-05-67	104.1	154.9	5001	4-17-68	18.8	243.2	5050					
		3-07-68	98.6	160.4	5001	5-21-68	16.7	245.3	5050					
21N/04W-23H01M	259.0	10-05-67	104.1	154.9	5001	6-18-68	17.6	244.4	5050					
		3-07-68	98.6	160.4	5001	7-22-68	17.5	244.5	5050					
22N/01W-18E02M	149.5	10-12-67	17.3	132.2	5105	8-20-68	15.6	246.4	5050					
		3-07-68	13.1	136.4	5105	9-23-68	16.7	245.3	5050					
22N/01W-18E03M	147.0	10-12-67	12.9	134.1	5105	22N/03W-23E01M	243.0	10-03-67	16.0	227.0	5105			
		3-07-68	9.3	137.7	5105			3-07-68	17.8	225.2	5105			
22N/01W-34E01M	135.0	10-12-67	16.6	118.4	5105	22N/03W-24M01M	232.5	10-13-67	11.0	221.5	5105			
		3-11-68	12.5	122.5	5105			3-07-68	12.2	220.3	5105			
22N/02W-03D04M	185.0	10-13-67	32.8	152.2	5105	22N/03W-31F01M	255.0	10-05-67	1.9	253.1	5001			
		3-07-68	14.9	170.1	5105			3-07-68	1.3	253.7	5001			
22N/02W-03F01M	191.0	10-13-67	32.1	158.9	5105	22N/03W-32R01M	247.2	10-05-67	16.7	230.5	5001			
		3-07-68	25.7	165.3	5105			3-07-68	21.7	225.5	5001			
22N/02W-03L01M	186.0	10-16-67	47.4	138.6	5105	22N/03W-33A01M	241.8	10-05-67	8.3	233.5	5001			
		3-07-68	24.7	161.3	5105			3-07-68	14.5	227.3	5001			
22N/02W-05B01M	199.7	10-13-67	10.2	189.5	5105	22N/04W-12L01M	318.0	10-05-67	4.1	313.9	5001			
		3-07-68	7.5	192.2	5105			3-07-68	2.3	315.7	5001			
22N/02W-05L02M	202.0	10-13-67	21.7	180.3	5105	BUTTE COUNTY 5-21.03								
		3-07-68	19.1	182.9	5105	17N/01E-01R01M	69.5	10-10-67	7.1	62.4	5106			
22N/02W-08B02M	205.0	10-23-67	39.5	165.5	5050	3-19-68	4.1	65.4	5106	*17N/01E-03A01M	63.2	10-10-67	(7)	5106
		11-27-67	29.2	175.8	5050	3-19-68	4.2	59.0	5106					
		12-19-67	25.9	179.1	5050	17N/01E-10A01M	63.0	10-10-67	14.4	48.6	5106			
		1-24-68	24.4	180.6	5050			3-19-68	7.0	56.0	5106			
		2-21-68	21.3	183.7	5050	17N/02E-06D01M	71.0	10-24-67	7.9	63.1	5050			
		3-19-68	19.9	185.1	5050			11-27-67	9.0	62.0	5050			
		4-17-68	49.6	155.4	5050			12-20-67	9.7	61.3	5050			
		5-21-68	42.7	162.3	5050			1-25-68	9.4	61.6	5050			
		6-18-68	59.7	145.3	5050			2-23-68	6.7	64.3	5050			
		7-22-68	57.8	147.2	5050			3-18-68	7.3	63.7	5050			
		8-20-68	51.7	153.3	5050			4-18-68	7.9	63.1	5050			
		9-23-68	62.4	142.6	5050			5-22-68	5.8	65.2	5050			
		22N/02W-08D01M	207.0	10-13-67	36.4			170.6	5105	6-19-68	6.2	64.8	5050	
				3-07-68	17.6			189.4	5105	7-23-68	6.7	64.3	5050	
				10-13-67	11.5	191.5	5105	8-21-68	6.5	64.5	5050			
3-07-68	8.8	194.2	5105	9-24-68	6.3	64.7	5050							
22N/02W-08Q01M	203.0	10-14-67	48.8	146.2	5105	17N/02E-08D01M	74.5	10-10-67	5.1	69.4	5106			
		3-07-68	12.1	182.9	5105			3-19-68	5.3	69.2	5106			
22N/02W-09L03M	195.0	10-12-67	22.2	133.8	5105	17N/02E-12A01M	90.0	10-10-67	11.2	78.8	5106			
		3-07-68	17.2	138.8	5105			3-19-68	8.1	81.9	5106			
22N/02W-12C01M	156.0	10-12-67	11.3	153.7	5105	17N/02E-14A01M	82.5	10-10-67	4.8	77.7	5106			
		3-07-68	5.4	159.6	5105			3-19-68	3.0	79.5	5106			
22N/02W-14B02M	165.0	10-12-67	14.7	181.3	5105	17N/02E-16C01M	74.0	10-10-67	3.9	70.1	5106			
		3-07-68	9.7	186.3	5105			3-19-68	2.8	71.2	5106			
22N/02W-16C01M	196.0	10-21-67	4.5	198.5	5105	17N/03E-01R01M	100.0	10-09-67	38.3	61.7	5106			
		3-07-68	3.6	199.4	5105			3-13-68	34.3	65.7	5106			
22N/02W-20P02M	203.0	10-12-67	11.3	153.7	5105	17N/03E-03D01M	95.0	10-10-67	22.3	72.7	5106			
		3-07-68	5.4	163.6	5105			3-19-68	26.6	68.4	5106			
22N/02W-21D01M	198.0	10-12-67	10.6	158.4	5105	17N/03E-05C01M	96.0	10-10-67	11.7	84.3	5106			
		3-07-68	5.4	163.6	5105			3-19-68	11.1	84.9	5106			
22N/02W-23B01M	169.0	10-12-67	14.5	160.5	5105	*Previously published as 17N/01E-02D01M.								
		3-07-68	12.6	162.4	5105									
22N/02W-23N01M	175.0	10-12-67	31.3	132.2	5105									
		3-07-68	19.0	144.5	5105									
22N/02W-24L01M	163.5	10-12-67	31.3	132.2	5105									
		3-07-68	19.0	144.5	5105									

TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
BUTTE COUNTY 5-21.03						BUTTE COUNTY 5-21.03					
17N/03E-08G01M	90.0	10-10-67 3-19-68	8.8 7.4	81.2 82.6	5106 5106	18N/04E-07A01M	153.0	10-09-67 3-13-68	5.0 0.7	148.0 152.3	5106 5106
17N/03E-14H01M	92.0	10-09-67 3-13-68	26.7 24.9	65.3 67.1	5106 5106	18N/04E-08M01M	145.0	10-09-67 3-13-68	44.7 34.5	100.3 110.5	5106 5106
17N/03E-16N01M	85.0	10-10-67 3-19-68	9.9 9.2	75.1 75.8	5106 5106	18N/04E-16C01M	201.0	10-09-67 3-13-68	72.0 78.1	129.0 122.9	5106 5106
17N/04E-05C01M	95.0	10-09-67 3-19-68	32.0 27.1	63.0 67.9	5106 5106	18N/04E-28L01M	135.0	10-09-67 3-13-68	61.6 45.5	73.4 89.5	5106 5106
17N/04E-08A01M	96.0	10-09-67 3-19-68	21.0 14.9	75.0 81.1	5106 5106	18N/04E-30D01M	107.0	10-09-67 4-04-68	25.2 13.2	81.8 93.8	5106 5106
17N/04E-08L01M	92.0	10-09-67 3-11-68	23.8 20.3	68.2 71.7	5106 5106	18N/04E-32J01M	111.0	10-09-67 3-13-68	34.2 26.9	76.8 84.1	5106 5106
17N/04E-16E01M	106.0	10-09-67 3-13-68	29.6 27.9	76.4 78.1	5106 5106	19N/01E-04R01M	91.0	10-11-67 4-04-68	7.7 2.5	83.3 88.5	5106 5106
17N/04E-16E02M	106.0	10-09-67 3-13-68	27.5 26.5	78.5 79.5	5106 5106	19N/01E-15E01M	92.0	11-02-67 3-18-68	9.2 4.8	82.8 87.2	5106 5106
17N/04E-18C01M	96.0	10-09-67 3-13-68	27.1 26.5	68.9 69.5	5106 5106	19N/01E-28R01M	80.0	10-24-67 11-27-67 12-20-67 1-25-68 2-23-68 3-18-68 4-18-68 5-22-68 6-19-68 7-23-68 8-21-68 9-24-68	5.8 6.0 6.0 5.6 3.2 4.3 5.8 3.7 3.7 3.4 3.1 4.0	74.2 74.0 74.0 74.4 76.8 75.7 74.2 76.3 76.3 76.6 76.9 76.0	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
18N/01E-13A01M	77.0	10-10-67 3-20-68	5.2 4.3	71.8 72.7	5106 5106	19N/02E-01A01M	125.0	10-10-67 3-13-68	12.7 7.9	112.3 117.1	5106 5106
18N/01E-13M01M	77.0	10-10-67 3-18-68	8.3 5.0	68.7 72.0	5106 5106	19N/02E-07K01M	98.0	10-11-67 3-18-68	3.4 2.0	94.6 96.0	5106 5106
18N/01E-15D01M	70.0	10-10-67 3-18-68	3.4 2.4	66.6 67.6	5106 5106	19N/02E-16N01M	99.0	10-11-67	(6)		5106
18N/01E-33N03M	64.0	10-10-67 3-19-68	8.2 4.3	55.8 59.7	5106 5106	19N/02E-17A01M	102.0	10-11-67 3-18-68	3.2 1.6	98.8 100.4	5106 5106
18N/02E-08D01M	86.0	10-10-67 3-20-68	7.5 7.3	78.5 78.7	5106 5106	19N/02E-34J01M	96.0	10-10-67 3-18-68	5.7 3.3	90.3 92.7	5106 5106
18N/02E-11D01M	90.0	10-10-67 3-18-68	4.5 2.2	85.5 87.8	5106 5106	19N/03E-14B01M	201.5	10-09-67 3-11-68	(1) 85.3		5106 5106
18N/02E-14G01M	87.0	10-10-67 3-18-68	9.6 5.5	77.4 81.5	5106 5106	19N/03E-16P01M	170.0	10-09-67 3-19-68	(1) 71.6	98.4	5106 5106
18N/02E-16F01M	80.0	10-10-67 3-19-68	7.2 5.7	72.8 74.3	5106 5106	19N/03E-22A01M	183.0	10-09-67 3-15-68	67.1 64.2	115.9 118.8	5106 5106
18N/02E-20P01M	76.0	10-10-67 3-18-68	5.3 5.1	70.7 70.9	5106 5106	19N/03E-36A01M	145.0	10-09-67 3-13-68	26.1 23.3	118.9 121.7	5106 5106
18N/02E-25M01M	87.0	10-10-67 3-19-68	6.9 4.9	80.1 82.1	5106 5106	19N/04E-06E01M	275.0	10-09-67 3-17-68	122.6 87.0	152.4 188.0	5106 5106
18N/02E-32Q02M	75.0	10-10-67 3-19-68	5.7 5.8	69.3 69.2	5106 5106	19N/04E-20D01M	193.0	10-09-67 3-13-68	(1) 46.3		5106 5106
18N/02E-35P01M	84.0	10-10-67 3-19-68	3.6 2.4	80.4 81.6	5106 5106	19N/04E-28Q01M	248.0	10-09-67 3-18-68	(1) 16.1	231.9	5106 5106
18N/03E-05K01M	110.4	10-10-67 3-19-68	15.0 12.3	95.4 98.1	5106 5106	19N/04E-32P01M	187.0	10-09-67 3-13-68	57.5 51.1	129.5 135.9	5106 5106
18N/03E-06M01M	107.0	10-24-67 11-28-67 12-20-67 1-25-68 2-23-68 3-18-68 4-18-68 5-22-68 6-19-68 7-23-68 8-21-68 9-24-68	13.8 14.4 13.8 11.9 9.5 9.0 9.8 9.7 10.0 9.6 8.9 8.9	93.2 92.6 93.2 95.1 97.5 98.0 97.2 97.3 97.0 97.4 98.1 98.1	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	*20N/01E-08C02M	114.6	10-13-67 3-18-68	8.0 3.4	106.6 111.2	5106 5106
18N/03E-11G01M	124.0	10-24-67 11-28-67 12-20-67 1-25-68 2-23-68 3-18-68 4-18-68 5-22-68 6-19-68 7-23-68 8-21-68 9-24-68	32.0 32.5 30.4 29.1 27.4 26.8 30.0 30.8 32.7 34.8 34.6 36.2	92.0 91.5 93.6 94.9 96.6 97.2 94.0 93.2 91.3 89.2 89.4 87.8	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	20N/01E-10C02M	125.0	10-13-67 3-18-68	13.9 6.6	111.1 118.4	5106 5106
18N/03E-14N01M	120.0	10-09-67 3-19-68	29.6 (3)	90.4	5106 5106	20N/01E-10M01M	115.0	10-13-67 3-18-68	5.6 (0)	109.4	5106 5106
18N/03E-18F01M	97.5	10-10-67 3-19-68	8.9 6.0	88.6 91.5	5106 5106	20N/01E-11B02M	128.9	10-13-67 3-18-68	17.0 10.0	111.9 118.9	5106 5106
18N/03E-19Q01M	95.5	10-10-67 3-19-68	9.9 7.7	85.6 87.8	5106 5106	20N/01E-24R01M	114.0	10-11-67 3-18-68	3.6 1.7	110.4 112.3	5106 5106
18N/03E-21G01M	104.0	10-10-67 3-19-68	19.2 18.6	84.8 85.4	5106 5106	20N/01E-27P01M	101.0	10-17-67 3-18-68	6.2 3.8	94.8 97.2	5106 5106
18N/03E-24A01M	115.0	10-09-67 3-13-68	17.3 16.2	97.7 98.8	5106 5106	20N/01E-35C01M	100.0	10-11-67 3-18-68	3.9 2.6	96.1 97.4	5106 5106
						20N/02E-06Q01M	135.3	10-11-67 3-15-68	14.5 9.2	120.8 126.1	5106 5106
						20N/02E-07H02M	129.4	10-11-67 3-15-68	7.5 4.4	121.9 125.0	5106 5106
						20N/02E-09L01M	137.0	10-11-67 3-18-68	9.3 5.7	127.7 131.3	5106 5106

\*Previously published as 20N/01E-07A01M.



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
BUTTE COUNTY 5-21.03						BUTTE COUNTY 5-21.03					
20N/02E-10J01M	147.0	10-11-67 3-18-68	22.8 15.9	124.2 131.1	5106 5106	21N/01E-28M01M (Continued)	135.0	2-23-68 3-18-68 4-18-68 5-22-68 6-19-68 7-23-68 8-21-68 9-24-68	17.0 15.5 16.0 22.1 24.6 28.2 27.3 24.7	118.0 119.5 119.0 112.9 110.4 106.8 107.7 110.3	5050 5050 5050 5050 5050 5050 5050 5050
20N/02E-12J01M	172.0	10-11-67 3-13-68	55.4 49.0	116.6 123.0	5106 5106	21N/01E-31L01M	115.0	10-24-67 11-28-67 12-20-67 1-25-68 2-23-68 3-18-68 4-18-68 5-22-68 6-19-68 7-23-68 8-21-68 9-24-68	7.7 7.7 7.6 6.7 2.4 2.7 4.9 6.3 7.7 9.0 8.4 7.2	107.3 107.3 107.4 108.3 112.6 112.3 110.1 108.7 107.3 106.0 106.6 107.8	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
20N/02E-13M01M	160.0	10-11-67 3-13-68	31.2 30.6	128.8 129.4	5106 5106	21N/01E-33A01M	135.0	10-13-67 3-18-68	23.9 18.0	111.1 117.0	5106 5106
20N/02E-17P01M	122.5	10-11-67 3-15-68	3.9 1.1	118.6 121.4	5106 5106	21N/02E-07C01M	203.0	10-17-67 3-15-68	63.0 64.8	140.0 138.2	5106 5106
20N/02E-22P01M	130.0	10-11-67 3-18-68	11.1 7.3	118.9 122.7	5106 5106	21N/02E-08E02M	205.0	10-17-67 3-15-68	12.9 11.8	192.1 193.2	5106 5106
20N/02E-28N01M	118.0	10-24-67 11-28-67 12-20-67 1-25-68 2-23-68 3-18-68 4-18-68 5-22-68 6-19-68 7-23-68 8-21-68 9-24-68	5.7 6.2 5.6 4.0 2.8 3.0 5.3 5.6 5.7 6.7 5.9 5.7	112.3 111.8 112.4 114.0 115.2 115.0 112.7 112.4 112.3 111.3 112.1 112.3	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	21N/02E-08E03M	205.0	10-17-67 3-15-68	52.5 42.8	152.5 162.2	5106 5106
20N/03E-07H01M	190.0	10-11-67 3-13-68	59.6 53.4	130.4 136.6	5106 5106	21N/02E-17G01M	185.0	10-17-67 3-15-68	10.4 6.3	174.6 178.7	5106 5106
20N/03E-10B01M	270.0	10-11-67 3-13-68	3.6 2.8	266.4 267.2	5106 5106	21N/02E-26E02M	177.0	10-24-67 11-28-67 12-20-67 1-25-68 2-23-68 3-18-68 4-18-68 5-22-68 6-19-68 7-23-68 8-21-68 9-24-68	25.4 27.2 25.4 21.4 20.1 19.3 18.2 25.1 28.6 34.2 32.9 36.5	151.6 149.8 151.6 155.6 156.9 157.7 158.8 151.9 148.4 142.8 144.1 140.5	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
20N/03E-22A01M	265.0	10-11-67 3-13-68	4.4 1.4	260.6 263.6	5106 5106	21N/02E-26F01M	181.0	10-16-67 3-13-68	46.0 44.5	135.0 136.5	5106 5106
20N/03E-28N01M	150.0	10-24-67 11-28-67 12-20-67 1-25-68 2-23-68 3-18-68 4-18-68 5-22-68 6-19-68 7-23-68 8-21-68 9-24-68	31.9 33.1 32.7 32.2 31.7 31.4 30.6 30.8 31.4 32.5 33.9 34.3	118.1 116.9 117.3 117.8 118.3 118.6 119.4 119.2 118.6 117.5 116.1 115.7	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	21N/02E-29E01M	155.5	10-11-67 3-15-68	14.9 11.4	140.6 144.1	5106 5106
20N/03E-32D01M	141.0	10-10-67 3-26-68	42.8 27.2	98.2 113.8	5106 5106	21N/02E-31K01M	146.0	10-13-67 3-18-68	21.5 16.2	124.5 129.8	5106 5106
20N/03E-34A01M	226.0	10-10-67 3-13-68	8.4 0.1	217.6 225.9	5106 5106	21N/03E-31F02M	208.0	10-17-67 3-13-68	42.8 51.4	165.2 156.6	5106 5106
20N/01W-03D01M	114.0	10-13-67 3-18-68	19.6 17.0	94.4 97.0	5106 5106	21N/01W-01E01M	130.0	10-13-67 3-15-68	16.0 13.0	114.0 117.0	5106 5106
20N/01W-15A01M	107.0	10-13-67 3-18-68	13.6 9.6	93.4 97.4	5106 5106	21N/01W-23J01M	117.0	10-13-67 3-18-68	11.2 5.9	105.8 111.1	5106 5106
20N/01W-26H01M	105.2	10-13-67 3-18-68	9.7 10.3	95.5 94.9	5106 5106	21N/01W-26K01M	115.3	10-13-67 3-18-68	16.8 12.3	98.5 103.0	5106 5106
20N/01W-26H02M	105.6	10-13-67 3-18-68	8.7 7.9	96.9 97.7	5106 5106	21N/01W-36A01M	115.0	10-13-67 3-18-68	8.3 2.3	106.7 112.7	5106 5106
21N/01E-05G01M	149.0	10-24-67 11-28-67 12-20-67 1-25-68 2-23-68 3-18-68 4-18-68 5-22-68 6-19-68 7-23-68 8-21-68 9-24-68	19.2 19.2 19.4 17.4 15.4 14.0 14.2 19.2 23.7 27.1 26.2 24.5	129.8 129.8 129.6 131.6 133.6 135.0 134.8 129.8 125.3 121.9 122.8 124.5	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	22N/01E-02R01M	218.0	10-17-67 3-15-68	69.0 43.8	149.0 174.2	5106 5106
21N/01E-05M01M	141.0	10-13-67 3-15-68	17.2 10.1	123.8 130.9	5106 5106	22N/01E-09J02M	178.0	10-17-67 3-14-68	30.5 23.6	147.5 154.4	5106 5106
21N/01E-08A01M	152.1	10-13-67 3-15-68	24.0 15.2	128.1 136.9	5106 5106	22N/01E-16K02M	178.0	10-17-67 3-15-68	34.8 28.1	143.2 149.9	5106 5106
21N/01E-12K01M	187.0	10-17-67 3-15-68	30.6 28.3	156.4 158.7	5106 5106	22N/01E-19K01M	151.0	10-16-67 3-14-68	20.5 12.2	130.5 138.8	5106 5106
21N/01E-13K01M	177.0	10-13-67 3-15-68	45.7 40.7	131.3 136.3	5106 5106	22N/01E-20K01M	165.5	10-24-67 11-28-67 12-20-67 1-25-68 2-23-68 3-18-68 4-18-68 5-22-68 6-19-68 7-23-68 8-21-68 9-24-68	29.0 28.0 27.3 26.2 24.7 23.5 23.6 27.7 33.3 36.5 33.4 34.1	136.5 137.5 138.2 139.3 140.8 142.0 141.9 137.8 132.2 129.0 132.1 131.4	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
21N/01E-17A01M	137.0	10-13-67 3-15-68	12.5 6.9	124.5 130.1	5106 5106	22N/01E-20L01M	159.0	10-16-67 3-15-68	27.0 21.4	132.0 137.6	5106 5106
21N/01E-23C01M	160.5	10-13-67 3-15-68	38.5 30.1	122.0 130.4	5106 5106	22N/01E-21E01M	155.0	10-16-67 3-15-68	22.0 15.9	133.0 139.1	5106 5106
21N/01E-27D01M	141.0	10-13-67 3-18-68	26.1 21.4	114.9 119.6	5106 5106						
21N/01E-28M01M	135.0	10-24-67 11-28-67 12-20-67 1-25-68	21.2 20.3 19.6 19.1	113.8 114.7 115.4 115.9	5050 5050 5050 5050						



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA				
BUTTE COUNTY 5-21.03						BUTTE COUNTY 5-21.03									
22N/01E-28J02M	176.0	10-24-67	22.1	153.9	5050	23N/01W-36P01M	162.0	10-16-67	19.5	142.5	5106				
		11-28-67	21.6	154.4	5050			3-14-68	12.7	149.3	5106				
		12-20-67	20.7	155.3	5050	23N/02W-13A01M	166.8	10-16-67	16.4	150.4	5106				
		1-25-68	19.8	156.2	5050			3-14-68	12.0	154.8	5106				
		2-23-68	18.4	157.6	5050			23N/02W-23K02M	160.9	10-16-67	17.8	143.1	5106		
		3-18-68	17.6	158.4	5050					3-14-68	14.1	146.8	5106		
		4-18-68	17.2	158.8	5050					23N/02W-25C01M	155.0	10-16-67	19.3	135.7	5106
		5-22-68	19.0	157.0	5050	3-20-68	15.2	139.8	5106						
		6-19-68	20.4	155.6	5050	COLUSA COUNTY 5-21.04									
		7-23-68	22.4	153.6	5050	13N/01E-11A01M	31.8	10-18-67	7.1			24.7	5050		
		8-21-68	23.3	152.7	5050			3-07-68	5.2	26.6	5050				
9-24-68	23.3	152.7	5050	13N/01E-22R01M	38.9	10-23-67	14.3	24.6	5050						
22N/01E-29R01M	164.7	10-13-67	13.5			151.2	11-27-67	15.0	23.9	5050					
3-15-68		17.2	147.5			5106	12-19-67	(0)	(0)	5050					
22N/01E-31J01M	147.0	10-13-67	14.7			132.3	5106	13N/01E-32Q01M	23.0	10-23-67	9.2	13.8	5050		
3-15-68		9.6	137.4	5106	11-27-67	9.5	13.5			5050					
22N/02E-17E01M	281.0	10-16-67	68.4	212.6	5106	12-19-67	9.5			13.5	5050				
		3-15-68	67.8	213.2	5106	1-24-68	9.4			13.6	5050				
22N/01W-05M01M	149.9	10-16-67	18.9	131.0	5106	2-21-68	7.4			15.6	5050				
		3-14-68	11.3	138.6	5106	3-19-68	7.3			15.7	5050				
22N/01W-10C01M	147.3	10-16-67	13.2	134.1	5106	4-17-68	6.8			16.2	5050				
		3-14-68	6.1	141.2	5106	5-21-68	6.3			16.7	5050				
22N/01W-12A01M	157.0	10-16-67	20.2	136.8	5106	6-18-68	7.2			15.8	5050				
		3-14-68	13.7	143.3	5106	7-22-68	7.8			15.2	5050				
22N/01W-12J01M	153.0	10-16-67	17.2	135.8	5106	8-20-68	7.4	15.6	5050						
		3-14-68	11.0	142.0	5106	9-23-68	7.8	15.2	5050						
22N/01W-20A01M	145.0	10-16-67	18.0	127.0	5106	13N/01W-05R01M	40.1	10-03-67	15.6	24.5	5001				
		3-14-68	15.1	129.9	5106			3-05-68	20.9	19.2	5001				
22N/01W-24C01M	139.0	10-16-67	11.4	127.6	5106	13N/01W-08M01M	75.0	10-03-67	75.0	0.0	5001				
		3-14-68	(6)	(6)	5106			3-05-68	53.9	21.1	5001				
23N/01E-05H01M	390.0	10-16-67	115.0	275.0	5106	13N/01W-08Q01M	56.0	10-02-67	52.8	3.2	5001				
3-12-68	114.2	275.8	5106	3-05-68	33.6			22.4	5001						
23N/01E-07D01M	262.0	10-16-67	109.6	152.4	5106	13N/01W-15H01M	28.5	10-02-67	(0)	(0)	5001				
3-12-68	52.0	210.0	5106	13N/01W-15N03M	43.0			10-02-67	36.8	6.2	5001				
23N/01E-22K01M	310.0	10-16-67	70.2			239.8	5106	3-05-68	25.1	17.9	5001				
		3-15-68	61.2	248.8	5106	13N/01W-16N03M	56.0	10-02-67	52.2	3.8	5001				
23N/01E-27J01M	297.0	10-16-67	132.5	164.5	5106			3-05-68	36.5	19.5	5001				
		4-04-68	133.7	163.3	5106	13N/01W-19J01M	105.0	10-02-67	DRY	DRY	5001				
23N/01E-28F01M	215.0	10-16-67	48.0	167.0	5106			3-05-68	DRY	DRY	5001				
		3-14-68	61.4	153.6	5106	13N/01W-22P02M	58.0	10-02-67	61.0	-3.0	5001				
23N/01E-29H01M	216.0	10-16-67	37.0	179.0	5106			3-05-68	40.3	17.7	5001				
		3-14-68	7.7	208.3	5106	13N/01W-23F02M	40.0	10-02-67	39.8	0.2	5001				
23N/01E-29K01M	209.2	10-16-67	9.7	199.5	5106			3-05-68	20.2	19.8	5001				
		3-14-68	5.3	203.9	5106	13N/01W-28E02M	91.0	10-02-67	98.8	-7.8	5001				
23N/01E-29P01M	203.0	10-24-67	38.7	164.3	5050			3-05-68	80.6	10.4	5001				
		11-28-67	37.5	165.5	5050			13N/01W-34P01M	75.3	10-02-67	(3)	(3)	5001		
		12-20-67	37.0	166.0	5050					3-04-68	58.7	16.6	5001		
		1-25-68	36.0	167.0	5050			13N/01W-36N01M	48.0	10-02-67	47.9	0.1	5001		
		2-23-68	32.5	170.5	5050					3-14-68	29.6	18.4	5001		
		3-18-68	28.6	174.4	5050					13N/02W-04G01M	187.0	10-23-67	131.7	55.3	5050
		4-18-68	30.6	172.4	5050							11-27-67	127.4	59.6	5050
		5-22-68	35.5	167.5	5050							12-19-67	125.4	61.6	5050
		6-19-68	41.1	161.9	5050							1-24-68	123.4	63.6	5050
		7-23-68	42.4	160.6	5050	2-21-68	121.4					65.6	5050		
8-21-68	43.7	159.3	5050	3-19-68	120.0	67.0	5050								
9-24-68	41.7	161.3	5050	4-17-68	121.1	65.9	5050								
23N/01E-33Q01M	218.0	10-16-67	58.6	159.4	5106	5-21-68	130.4					56.6	5050		
		3-14-68	58.2	159.8	5106	6-18-68	142.0	45.0	5050						
23N/01W-09E01M	181.0	10-16-67	27.4	153.6	5106	7-22-68	140.8	46.2	5050						
		3-12-68	22.8	158.2	5106	8-20-68	139.5	47.5	5050						
23N/01W-10J02M	196.5	10-16-67	29.8	166.7	5106	9-23-68	136.1	50.9	5050						
		3-12-68	24.5	172.0	5106	13N/02W-04G03M	187.0	10-23-67	127.8	59.2	5050				
23N/01W-14R01M	189.0	10-24-67	31.0	158.0	5050			11-27-67	124.2	62.8	5050				
		11-28-67	29.7	159.3	5050			12-19-67	122.2	64.8	5050				
		12-20-67	28.3	160.7	5050			1-24-68	120.7	66.3	5050				
		1-25-68	27.2	161.8	5050			2-21-68	118.8	68.2	5050				
		2-23-68	26.3	162.7	5050			3-19-68	117.5	69.5	5050				
		3-18-68	25.7	163.3	5050			4-17-68	118.5	68.5	5050				
		4-18-68	26.8	162.2	5050			5-21-68	126.3	60.7	5050				
		5-22-68	28.8	160.2	5050			6-18-68	132.8	54.2	5050				
		6-19-68	31.8	157.2	5050			7-22-68	135.2	51.8	5050				
		7-23-68	35.3	153.7	5050	8-20-68	134.4	52.6	5050						
8-21-68	34.5	154.5	5050	9-23-68	131.8	55.2	5050								
9-24-68	34.2	154.8	5050	13N/02W-05H02M	210.0	10-04-67	(0)	(0)	5001						
23N/01W-18Q01M	164.9	10-16-67	17.8			147.1	5106	13N/02W-11M01M	185.0	10-03-67	138.9	46.1	5001		
3-12-68		11.7	153.2	5106	3-04-68	128.1	56.9			5001					
23N/01W-22C02M	170.0	10-16-67	19.9	150.1	5106	13N/02W-12L01M	133.0	10-03-67	128.3	4.7	5001				
		3-14-68	13.9	156.1	5106			3-05-68	113.7	19.3	5001				
23N/01W-27K01M	162.4	10-16-67	13.7	148.7	5106	13N/02W-13R01M	142.0	10-03-67	136.9	5.1	5001				
		3-14-68	8.6	153.8	5106			3-05-68	(3)	(3)	5001				
23N/01W-33A01M	153.0	10-16-67	16.4	136.6	5106										
		3-14-68	7.3	145.7	5106										



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
COLUSA COUNTY 5-21.04						COLUSA COUNTY 5-21.04					
13N/02W-21N01M	357.0	10-03-67 3-04-68	311.1 295.1	45.9 61.9	5001 5001	15N/01W-27E02M	45.7	10-18-67 3-07-68	20.8 23.6	24.9 22.1	5050 5050
13N/02W-22H01M	245.0	10-03-67 3-04-68	147.7 145.0	97.3 100.0	5001 5001	15N/02W-13H01M	39.0	10-18-67 3-07-68	4.2 2.0	34.8 37.0	5050 5050
13N/02W-25F01M	189.0	10-03-67 3-04-68	159.1 131.0	29.9 58.0	5001 5001	15N/02W-20A01M	63.1	10-18-67 3-07-68	0.7 1.1	62.4 62.0	5050 5050
14N/01E-33R01M	32.1	10-18-67 1-24-68 2-21-68 3-19-68 4-17-68 5-21-68 6-18-68 7-22-68 8-20-68 9-23-68	9.0 9.2 6.9 6.6 8.3 11.3 10.2 12.0 13.1 9.5	23.1 22.9 25.2 25.5 23.8 20.8 21.9 20.1 19.0 22.6	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	15N/03W-18J01M	118.5	10-04-67 3-05-68	8.1 6.8	110.4 111.7	5001 5001
14N/01E-34R01M	32.2	10-18-67 3-07-68	7.2 5.9	25.0 26.3	5050 5050	15N/03W-27G01M	111.4	10-04-67 3-05-68	11.7 17.6	99.7 93.8	5001 5001
14N/01W-03L02M	39.0	10-18-67 3-07-68	19.4 9.7	19.6 29.3	5050 5050	15N/03W-32B01M	150.0	10-04-67 3-05-68	31.8 33.1	118.2 116.9	5001 5001
14N/01W-04K03M	35.0	10-18-67 3-07-68	11.5 7.6	23.5 27.4	5050 5050	15N/03W-33N02M	164.0	10-04-67 10-23-67 11-27-67 12-19-67 1-24-68 2-21-68 3-05-68 3-19-68 4-17-68 5-21-68 6-18-68 7-22-68 8-20-68 9-23-68	63.3 70.5 61.0 60.0 59.0 58.4 58.3 58.0 57.6 75.4 61.6 71.2 69.8 63.2	100.7 93.5 103.0 104.0 105.0 105.6 105.7 106.0 106.4 88.6 102.4 92.8 94.2 100.8	5001 5050 5050 5050 5050 5050 5001 5050 5050 5050 5050 5050 5050
14N/01W-12A01M	36.0	10-18-67 3-07-68	12.8 4.8	23.2 31.2	5050 5050	16N/01W-20F01M	59.0	10-17-67 3-06-68	21.0 11.9	38.0 47.1	5050 5050
14N/01W-32R01M	32.0	10-03-67 3-05-68	10.9 9.1	21.1 22.9	5001 5001	16N/02W-09R01M	50.0	10-17-67 3-06-68	9.5 5.7	40.5 44.3	5050 5050
14N/02W-04B01M	79.0	10-03-67 3-05-68	(1) 18.9	60.1	5001 5001	16N/02W-24N01M	56.0	10-17-67 3-06-68	13.4 12.6	42.6 43.4	5050 5050
14N/02W-13N01M	60.0	10-03-67 3-05-68	(1) 26.3	33.7	5001 5001	16N/02W-25B02M	53.0	10-23-67 11-27-67 12-19-67 1-23-68 2-21-68 3-19-68 4-17-68 5-21-68 6-18-68 7-22-68 8-20-68 9-23-68	13.5 13.3 13.0 12.5 10.8 9.8 11.7 12.4 14.6 16.2 16.9 21.9	39.5 39.7 40.0 40.5 42.2 43.2 41.3 40.6 38.4 36.8 36.1 31.1	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
14N/02W-16N02M	118.0	10-23-67 11-27-67 12-19-67 1-24-68 2-21-68 3-19-68 4-17-68 5-21-68 6-18-68 7-22-68 8-20-68 9-23-68	60.0 58.5 57.0 56.5 54.8 54.7 59.6 61.0 61.3 63.5 64.8 66.2	58.0 59.5 61.0 61.5 63.2 63.3 58.4 57.0 56.7 54.5 53.2 51.8	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	16N/02W-26L01M	47.0	10-17-67 3-06-68	8.3 3.8	38.7 43.2	5050 5050
14N/02W-18Q01M	156.0	10-18-67 3-08-68	(1) 90.0	66.0	5050 5050	16N/03W-01A01M	62.8	10-17-67 3-06-68	3.3 2.4	59.5 60.4	5050 5050
14N/02W-19R01M	189.5	10-04-67 3-04-68	122.2 (9)	67.3	5001 5001	16N/03W-13E02M	63.0	10-17-67 3-06-68	1.7 2.1	61.3 60.9	5050 5050
14N/02W-22F01M	112.0	10-18-67 3-08-68	76.6 64.5	35.4 47.5	5050 5050	16N/03W-20P01M	91.0	10-23-67 11-27-67 12-19-67 1-24-68 2-21-68 3-19-68 4-17-68 5-21-68 6-18-68 7-22-68 8-20-68 9-23-68	7.5 6.3 6.7 6.7 3.8 7.3 6.2 2.7 2.9 2.4 1.9 5.1	83.5 84.7 84.3 84.3 87.2 83.7 84.8 88.3 88.1 88.6 89.1 85.9	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
14N/02W-23F01M	89.0	10-03-67 3-05-68	59.7 47.5	29.3 41.5	5001 5001	16N/04W-11A01M	139.5	10-18-67 3-19-68	15.0 16.5	124.5 123.0	5050 5050
14N/02W-29J01M	160.0	10-18-67 3-08-68	93.0 96.8	67.0 63.2	5050 5050	16N/04W-23E01M	148.0	10-18-67 3-19-68	6.7 (9)	141.3	5050 5050
14N/02W-31N02M	283.0	10-04-67 3-04-68	284.7 244.7	-1.7 38.3	5001 5001	16N/04W-35J01M	125.0	10-18-67 3-07-68	8.3 6.1	116.7 118.9	5050 5050
14N/02W-34N01M	159.1	10-03-67 3-04-68	100.1 93.6	59.0 65.5	5001 5001	17N/01W-06R01M	70.0	10-17-67 3-06-68	17.6 11.8	52.4 58.2	5050 5050
14N/02W-36D01M	94.0	10-03-67 3-05-68	82.0 64.7	12.0 29.3	5001 5001	17N/02W-24C01M	68.0	10-17-67 3-06-68	10.5 9.6	57.5 58.4	5050 5050
14N/02W-36N02M	110.5	10-03-67 3-05-68	95.4 82.1	15.1 28.4	5001 5001	17N/02W-30F01M	60.0	10-17-67 3-06-68	7.0 5.8	53.0 54.2	5050 5050
14N/03W-01O01M	121.7	10-04-67 3-05-68	35.3 DRY	86.4	5001 5001	17N/02W-34R02M	60.0	10-17-67 3-06-68	15.0 11.2	45.0 48.8	5050 5050
14N/03W-01K01M	122.0	10-18-67 3-08-68	45.8 46.4	76.2 75.6	5050 5050	17N/03W-10C01M	94.2	10-17-67 3-06-68	9.0 7.4	85.2 86.8	5050 5050
14N/03W-11A01M	136.0	10-18-67 3-19-68	66.1 59.6	69.9 76.4	5050 5050	17N/03W-18H01M	125.0	10-17-67 3-06-68	8.7 12.4	116.3 112.6	5050 5050
14N/03W-11G01M	140.0	10-18-67 3-19-68	72.8 67.7	67.2 72.3	5050 5050						
14N/03W-11H01M	135.0	10-18-67 3-19-68	66.2 59.9	68.8 75.1	5050 5050						
14N/03W-12F02M	123.0	10-04-67 3-04-68	48.9 48.9	74.1 74.1	5001 5001						
14N/03W-14Q02M	171.0	10-18-67 3-08-68	(1) 118.9	52.1	5050 5050						
14N/03W-24C01M	170.0	10-04-67 3-04-68	109.0 105.8	61.0 64.2	5001 5001						
14N/03W-36B01M	275.0	10-04-67 3-04-68	112.3 117.0	162.7 158.0	5001 5001						

TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
COLUSA COUNTY 5-21.04						SUTTER COUNTY 5-21.05					
17N/03W-27M01M	89.1	10-23-67	6.8	82.3	5050	11N/04E-05B02M	26.8	10-06-67	5.3	21.5	5401
		11-27-67	5.5	83.6	5050			3-09-68	3.7	23.1	5401
		12-19-67	6.3	82.8	5050	11N/04E-06B01M	23.9	10-06-67	4.1	19.8	5102
		1-24-68	6.1	83.0	5050			10-27-67	5.6	18.3	5050
		2-21-68	3.7	85.4	5050			11-30-67	5.6	18.3	5050
		3-18-68	5.8	83.3	5050			12-28-67	5.8	18.1	5050
		4-17-68	5.0	84.1	5050			1-26-68	4.6	19.3	5050
		5-21-68	2.5	86.6	5050			2-28-68	1.5	22.4	5050
		6-18-68	2.5	86.6	5050			3-09-68	2.3	21.6	5102
		7-22-68	1.7	87.4	5050			3-26-68	1.9	22.0	5050
		8-20-68	(0)		5050			4-30-68	3.9	20.0	5050
17N/03W-29B01M	115.0	10-17-67	6.6	108.4	5050			5-29-68	3.1	20.8	5050
		3-06-68	9.4	105.6	5050			6-28-68	3.7	20.2	5050
17N/03W-31N01M	121.5	10-17-67	5.8	115.7	5050			7-30-68	3.3	20.6	5050
		3-06-68	6.0	115.5	5050			8-30-68	2.8	21.1	5050
17N/03W-33N01M	101.0	10-17-67	5.6	95.4	5050	11N/04E-09D02M	28.0	10-27-67	14.2	13.8	5050
		3-06-68	6.3	94.7	5050			11-30-67	14.1	13.9	5050
17N/03W-35N01M	76.0	3-06-68	(6)		5050			12-28-67	14.1	13.9	5050
17N/04W-25G01M	127.0	10-17-67	15.9	111.1	5050			1-29-68	13.4	14.6	5050
		3-19-68	13.9	113.1	5050			2-28-68	6.4	21.6	5050
17N/04W-34G01M	175.0	10-17-67	11.3	163.7	5050			3-25-68	9.7	18.3	5050
		3-07-68	9.9	165.1	5050			4-30-68	15.1	12.9	5050
18N/01W-18Q01M	76.5	10-17-67	10.2	66.3	5050			5-29-68	13.4	14.6	5050
		3-06-68	4.7	71.8	5050			6-28-68	13.7	14.3	5050
18N/01W-32P01M	76.0	10-17-67	18.2	57.8	5050	11N/04E-11C02M	41.9	10-06-67	39.4	2.5	5102
		3-06-68	12.2	63.8	5050			3-09-68	36.0	5.9	5102
18N/01W-35K01M	60.0	10-17-67	4.0	56.0	5050	11N/04E-13D01M	47.4	10-06-67	58.3	-10.9	5102
		3-06-68	3.4	56.6	5050			3-09-68	52.1	-4.7	5102
18N/02W-15N01M	69.7	10-17-67	4.7	65.0	5050	11N/04E-13R01M	50.0	10-06-67	(1)		5401
		3-06-68	2.4	67.3	5050			10-27-67	76.3	-26.3	5050
18N/02W-19A01M	78.1	10-17-67	4.4	73.7	5050			3-09-68	64.1	-14.1	5401
		3-06-68	1.9	76.2	5050	11N/04E-15C01M	30.9	10-06-67	(2) 37.8	-6.9	5102
18N/02W-36B01M	73.0	10-17-67	9.0	64.0	5050			3-09-68	27.1	3.8	5102
		3-06-68	6.6	66.4	5050	11N/04E-15Q01M	33.1	10-06-67	45.9	-12.8	5401
SUTTER COUNTY 5-21.05								3-09-68	37.3	-4.2	5401
10N/04E-02K01M	25.0	10-06-67	38.3	-13.3	5102	11N/04E-19E02M	29.0	10-06-67	12.3	16.7	5102
		10-25-67	38.2	-13.2	5050			3-09-68	9.3	19.7	5102
		11-28-67	37.4	-12.4	5050	11N/04E-23J01M	41.0	10-06-67	(3)		5102
		12-27-67	36.8	-11.8	5050			3-09-68	64.1	-23.1	5102
		1-29-68	35.0	-10.0	5050	11N/04E-24R01M	47.0	10-03-67	75.7	-28.7	5401
		2-27-68	34.0	-9.0	5050			3-06-68	64.5	-17.5	5401
		3-06-68	33.5	-8.5	5102	11N/04E-28J01M	34.3	10-06-67	(6)		5102
		3-22-68	33.4	-8.4	5050	11N/04E-33J01M	25.6	10-06-67	18.8	6.8	5102
		4-29-68	(1)		5050			3-06-68	18.3	7.3	5102
		5-27-68	(1)		5050	11N/04E-34N01M	25.0	6-27-68	25.1	-0.1	5050
		6-27-68	(1)		5050			7-29-68	(1)		5050
		7-29-68	(1)		5050			8-29-68	24.3	0.7	5050
		8-29-68	(1)		5050			9-26-68	14.1	10.9	5050
		9-26-68	37.3	-12.3	5050	11N/04E-35J01M	39.0	10-06-67	70.2	-31.2	5102
10N/04E-12A01M	43.1	10-06-67	58.2	-15.1	5102			3-06-68	62.9	-23.9	5102
		3-06-68	55.8	-12.7	5102	12N/01E-01A01M	26.9	10-10-67	5.7	21.2	5102
11N/03E-01D01M	25.6	10-06-67	8.1	17.5	5102			3-11-68	5.4	21.5	5102
		3-09-68	4.8	20.8	5102	12N/02E-11P02M	20.0	10-10-67	5.0	15.0	5102
11N/03E-03C02M	26.4	10-06-67	11.2	15.2	5102			3-11-68	5.0	15.0	5102
		3-09-68	6.3	20.1	5102	12N/02E-20P01M	25.0	10-10-67	10.3	14.7	5102
11N/03E-08N01M	18.0	10-10-67	5.8	12.2	5050			3-11-68	5.4	19.6	5102
		3-08-68	2.2	15.8	5050	12N/02E-23K01M	20.0	10-10-67	4.4	15.6	5102
11N/03E-10N01M	28.5	10-06-67	13.5	15.0	5102			10-27-67	5.0	15.0	5050
		3-09-68	7.7	20.8	5102			11-30-67	5.4	14.6	5050
11N/03E-15C01M	28.7	10-06-67	12.8	15.9	5102			12-29-67	5.8	14.2	5050
		3-09-68	7.3	21.4	5102			1-30-68	4.4	15.6	5050
11N/03E-20N03M	27.0	10-10-67	9.7	17.3	5102			2-29-68	2.5	17.5	5050
		3-11-68	4.0	23.0	5102			3-11-68	3.6	16.4	5102
11N/03E-22H01M	27.0	10-06-67	16.5	10.5	5102			3-26-68	3.1	16.9	5050
		3-09-68	9.3	17.7	5102			4-30-68	1.9	18.1	5050
11N/04E-01M02M	45.5	10-26-67	38.2	7.3	5050			5-29-68	1.7	18.3	5050
		11-29-67	37.2	8.3	5050			6-28-68	2.2	17.8	5050
		12-28-67	36.8	8.7	5050			7-30-68	2.2	17.8	5050
		1-29-68	36.4	9.1	5050			8-30-68	1.8	18.2	5050
		2-28-68	35.9	9.6	5050			9-27-68	4.3	15.7	5050
		3-22-68	35.3	10.2	5050	12N/03E-12C01M	29.5	10-09-67	11.2	18.3	5102
		4-29-68	39.1	6.4	5050			3-11-68	6.3	23.2	5102
		5-28-68	39.1	6.4	5050	12N/03E-23N01M	30.0	10-06-67	13.0	17.0	5102
		6-27-68	40.3	5.2	5050			3-09-68	7.7	22.3	5102
		7-29-68	43.7	1.8	5050	12N/03E-24A01M	24.5	10-06-67	12.2	12.3	5102
		8-29-68	43.7	1.8	5050			3-09-68	7.3	17.2	5102
		9-26-68	42.8	2.7	5050	12N/03E-24Q01M	30.0	10-06-67	(7)		5102
11N/04E-01M03M	46.3	10-06-67	37.9	8.4	5102			2-16-68	8.8	21.2	5050
		3-09-68	36.3	10.0	5102			3-09-68	7.6	22.4	5102
11N/04E-03P02M	35.0	10-06-67	31.2	3.8	5102						
		3-09-68	25.1	9.9	5102						



TABLE C-2 (Cont.)

## GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SUTTER COUNTY 5-21.05						SUTTER COUNTY 5-21.05					
12N/03E-30H01M	18.8	10-10-67	3.3	15.5	5102	13N/02E-34M01M	21.0	10-10-67	6.8	14.2	5102
		3-11-68	(8)		5102			10-27-67	(4) 14.6	6.4	5050
		4-05-68	1.6	17.2	5050			11-30-67	7.8	13.2	5050
12N/04E-02B01M	56.0	10-05-67	14.8	41.2	5401			12-29-67	8.3	12.7	5050
		3-14-68	19.9	36.1	5401			1-30-68	6.8	14.2	5050
12N/04E-03R01M	52.0	10-06-67	15.6	36.4	5102			2-29-68	6.3	14.7	5050
		3-14-68	18.1	33.9	5102			3-11-68	(4) 9.7	11.3	5102
12N/04E-05R04M	41.0	10-06-67	21.8	19.2	5401			3-26-68	6.8	14.2	5050
		3-09-68	18.6	22.4	5401			4-30-68	2.8	18.2	5050
12N/04E-08D03M	34.0	10-05-67	17.7	16.3	5401			5-29-68	2.9	18.1	5050
		3-09-68	12.9	21.1	5401			6-28-68	3.2	17.8	5050
12N/04E-10D02M	48.0	10-06-67	12.7	35.3	5401	13N/03E-02H01M	42.9	10-09-67	14.9	28.0	5102
		3-14-68	13.5	34.5	5401			3-12-68	14.4	28.5	5102
12N/04E-13C01M	50.7	10-09-67	17.7	33.0	5102	13N/03E-04J01M	38.0	10-09-67	13.2	24.8	5050
		3-14-68	21.1	29.6	5102			3-08-68	9.7	28.3	5050
12N/04E-14P01M	41.0	10-09-67	5.4	35.6	5102	13N/03E-06K01M	33.7	10-09-67	9.4	24.3	5102
		3-14-68	(9)		5102			3-14-68	(3)		5102
		4-05-68	7.0	34.0	5050			4-05-68	6.8	26.9	5050
12N/04E-15M01M	41.0	10-06-67	9.2	31.8	5401	13N/03E-08M02M	33.0	10-09-67	4.2	28.8	5102
		3-14-68	8.2	32.8	5401			3-11-68	4.4	28.6	5102
12N/04E-16A04M	40.0	10-06-67	12.9	27.1	5401	13N/03E-13D01M	38.8	10-09-67	13.4	25.4	5102
		3-14-68	12.3	27.7	5401			3-12-68	12.1	26.7	5102
12N/04E-17D01M	32.0	10-06-67	18.7	13.3	5401	13N/03E-14C02M	36.0	10-09-67	10.3	25.7	5102
		3-09-68	12.4	19.6	5401			3-12-68	9.7	26.3	5102
12N/04E-17J01M	32.0	10-06-67	18.4	13.6	5102	13N/03E-16A01M	34.6	10-09-67	8.2	26.4	5102
		10-27-67	16.1	15.9	5050			3-11-68	7.3	27.3	5102
		11-30-67	14.2	17.8	5050	13N/03E-23K01M	35.0	10-09-67	7.5	27.5	5102
		12-28-67	13.4	18.6	5050			10-27-67	8.5	26.5	5050
		1-26-68	12.7	19.3	5050			11-30-67	9.4	25.6	5050
		2-28-68	10.7	21.3	5050			12-28-67	9.7	25.3	5050
		3-09-68	11.4	20.6	5102			1-29-68	9.5	25.5	5050
		3-22-68	9.1	22.9	5050			2-28-68	6.1	28.9	5050
		4-29-68	14.3	17.7	5050			3-11-68	6.5	28.5	5102
		5-29-68	14.9	17.1	5050			3-26-68	5.7	29.3	5050
		6-28-68	18.1	13.9	5050			4-30-68	5.8	29.2	5050
		7-30-68	19.1	12.9	5050			5-28-68	5.4	29.6	5050
		8-30-68	20.3	11.7	5050			6-28-68	5.1	29.9	5050
		9-27-68	14.0	18.0	5050			7-30-68	4.9	30.1	5050
12N/04E-18D01M	31.4	10-06-67	14.7	16.7	5102			8-30-68	5.5	29.5	5050
		3-09-68	13.6	17.8	5102			9-27-68	7.7	27.3	5050
12N/04E-20C01M	32.0	10-06-67	16.1	15.9	5401	13N/03E-24D01M	36.2	10-09-67	9.1	27.1	5102
		3-09-68	(9)		5401			3-12-68	7.8	28.4	5102
12N/04E-20P01M	29.0	10-06-67	14.0	15.0	5401	13N/03E-32N01M	23.0	10-10-67	4.8	18.2	5050
		3-09-68	7.3	21.7	5401			3-08-68	4.8	18.2	5050
12N/04E-24M02M	5.0	10-09-67	21.2	30.8	5401	13N/03E-35K02M	33.0	10-09-67	7.8	25.2	5102
		3-14-68	21.9	30.1	5401			3-11-68	4.1	28.9	5102
12N/04E-28H01M	36.0	10-06-67	5.2	30.8	5102	13N/04E-13D01M	62.0	10-05-67	23.6	38.4	5401
		3-14-68	4.4	31.6	5102			3-09-68	21.6	40.4	5401
12N/04E-33L01M	31.0	10-06-67	9.5	21.5	5102	13N/04E-13R01M	69.1	10-05-67	36.2	32.9	5102
		3-09-68	6.8	24.2	5102			3-09-68	33.6	35.5	5102
12N/04E-34H01M	38.0	10-09-67	9.8	28.2	5401	13N/04E-16N01M	43.4	10-05-67	16.0	27.4	5102
		3-09-68	13.0	25.0	5401			3-08-68	12.3	31.1	5102
12N/04E-35H01M	48.4	10-26-67	32.9	15.5	5050	13N/04E-22D01M	50.0	10-05-67	22.9	27.1	5401
		11-28-67	32.4	16.0	5050			3-09-68	19.9	30.1	5401
		12-28-67	31.9	16.5	5050	13N/04E-22G01M	54.5	10-05-67	31.7	22.8	5102
		1-29-68	31.6	16.8	5050			3-09-68	28.8	25.7	5102
		2-28-68	30.9	17.5	5050	13N/04E-23A02M	57.0	10-05-67	24.8	32.2	5401
		3-25-68	30.1	18.3	5050			3-09-68	22.5	34.5	5401
		4-29-68	32.3	16.1	5050	13N/04E-26R01M	59.0	10-05-67	41.5	17.5	5102
		5-28-68	32.6	15.8	5050			3-14-68	33.6	25.4	5102
		6-27-68	34.0	14.4	5050	13N/04E-28R01M	48.0	10-05-67	32.6	15.4	5401
		7-29-68	34.3	14.1	5050			3-14-68	30.4	17.6	5401
		8-29-68	34.8	13.6	5050	13N/04E-29A02M	40.0	10-05-67	18.3	21.7	5401
		9-26-68	33.5	14.9	5050			3-09-68	12.8	27.2	5401
12N/04E-35H02M	48.4	10-09-67	32.8	15.6	5102	13N/04E-29F01M	39.0	10-05-67	16.2	22.8	5102
		3-09-68	30.6	17.8	5102			3-09-68	12.9	26.1	5102
12N/04E-36Q01M	48.0	10-06-67	44.8	3.2	5102	13N/04E-31R01M	35.0	10-05-67	14.3	20.7	5401
		3-09-68	37.5	10.5	5102			3-09-68	11.3	23.7	5401
13N/01E-01J01M	39.0	10-10-67	8.8	30.2	5102	13N/04E-32G01M	45.0	10-05-67	22.9	22.1	5401
		3-11-68	2.5	36.5	5102			3-09-68	19.7	25.3	5401
13N/01E-12J02M	38.0	10-10-67	13.5	24.5	5102	13N/04E-33P01M	47.0	10-05-67	(4)		5102
		3-11-68	10.2	27.8	5102			2-16-68	21.5	25.5	5050
13N/01E-23B01M	35.6	10-10-67	10.5	25.1	5102			3-14-68	(9)		5102
		3-11-68	8.9	26.7	5102	13N/04E-36E01M	60.0	10-05-67	36.7	23.3	5102
13N/02E-04J01M	27.5	10-10-67	(5)		5102			10-26-67	38.5	21.5	5050
		2-16-68	5.8	21.7	5050			11-29-67	34.3	25.7	5050
		3-11-68	6.1	21.4	5102			12-28-67	33.3	26.7	5050
13N/02E-23B02M	26.0	10-10-67	8.5	17.5	5050						
		3-08-68	4.5	21.5	5050						

TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA		
SUTTER COUNTY 5-21.05						SUTTER COUNTY 5-21.05							
13N/04E-36E01M (Continued)	60.0	1-28-68	32.4	27.6	5050	14N/03E-31B01M	38.0	10-09-67	9.4	28.6	5102		
		2-28-68	31.6	28.4	5050			3-14-68	6.7	31.3	5102		
		3-14-68	35.6	24.4	5102			14N/03E-33C01M	38.6	10-09-67	9.6	29.0	5050
		3-25-68	30.8	29.2	5050					3-08-68	10.3	28.3	5050
		4-29-68	44.5	15.5	5050			15N/01E-12A01M	98.0	10-17-67	(9)		5102
		5-28-68	44.3	15.7	5050					3-11-68	(9)		5102
		6-27-68	48.0	12.0	5050					15N/01E-13A01M	56.0	10-10-67	26.4
		7-29-68	49.3	10.7	5050			3-11-68	20.9			35.1	5102
		8-29-68	50.4	9.6	5050			15N/01E-14F01M	51.0	10-10-67	16.5	34.5	5102
		9-26-68	42.4	17.6	5050					3-11-68	13.6	37.4	5102
13N/05E-08E01M	78.0	10-05-67	42.2	35.8	5102	15N/01E-16R01M	40.5	10-10-67	7.0	33.5	5102		
		3-09-68	37.4	40.6	5102			10-27-67	7.5	33.0	5050		
13N/05E-09R01M	83.5	10-04-67	30.1	53.4	5102			11-30-67	8.2	32.3	5050		
		3-09-68	26.6	56.9	5102			12-29-67	7.7	32.8	5050		
13N/05E-17G01M	74.0	10-05-67	27.2	46.8	5401	1-30-68	5.5	35.0	5050				
		3-09-68	24.2	49.8	5401	2-29-68	4.3	36.2	5050				
13N/05E-17R01M	70.0	10-05-67	32.4	37.6	5102	3-11-68	5.0	35.5	5102				
		3-09-68	(9)		5102	3-26-68	4.7	35.8	5050				
13N/05E-18C01M	69.6	10-05-67	36.4	33.2	5401	4-30-68	5.2	35.3	5050				
		3-09-68	32.6	37.0	5401	5-29-68	5.3	35.2	5050				
13N/05E-21R03M	80.0	10-05-67	31.7	48.3	5401	6-28-68	(1) 15.7	24.8	5050				
		3-06-68	29.4	50.6	5401	7-30-68	5.3	35.2	5050				
13N/05E-28N01M	80.2	10-05-67	42.2	38.0	5102	8-30-68	5.5	35.0	5050				
		3-06-68	38.1	42.1	5102	9-27-68	6.8	33.7	5050				
13N/05E-30A01M	70.5	10-05-67	34.0	36.5	5102	15N/02E-10D02M	71.0	10-17-67	27.3	43.7	5102		
		3-06-68	33.5	37.0	5102			3-11-68	27.0	44.0	5102		
13N/05E-31K01M	68.0	10-05-67	(8)		5401	15N/02E-22D01M	46.0	10-27-67	8.1	37.9	5050		
		10-27-67	34.4	33.6	5050			11-30-67	8.9	37.1	5050		
		3-14-68	30.6	37.4	5401			12-29-67	9.3	36.7	5050		
14N/01E-02B01M	36.7	10-10-67	5.7	31.0	5102			1-30-68	9.1	36.9	5050		
		3-11-68	4.7	32.0	5102			2-28-68	5.7	40.3	5050		
14N/01E-08A06M	39.0	10-10-67	5.6	33.4	5102			3-26-68	8.0	38.0	5050		
		3-11-68	5.6	33.4	5102			4-30-68	7.4	38.6	5050		
14N/01E-14G01M	37.0	10-10-67	7.0	30.0	5102			5-29-68	6.2	39.8	5050		
		10-27-67	7.1	29.9	5050			6-28-68	4.7	41.3	5050		
		11-30-67	7.8	29.2	5050			7-30-68	5.4	40.6	5050		
		12-29-67	8.0	29.0	5050	8-30-68	4.4	41.6	5050				
		1-30-68	7.1	29.9	5050	9-27-68	6.0	40.0	5050				
		2-29-68	4.5	32.5	5050	15N/02E-24B01M	51.0	10-09-67	13.0	38.0	5102		
		3-11-68	7.6	29.4	5102			3-11-68	12.7	38.3	5102		
		3-26-68	4.6	32.4	5050	15N/02E-25A01M	48.0	10-06-67	12.0	36.0	5102		
		4-30-68	(1)		5050			3-11-68	12.4	35.6	5102		
		5-29-68	(2) 9.0	28.0	5050	15N/02E-28D02M	40.0	10-10-67	6.2	33.8	5102		
6-28-68	9.5	27.5	5050	3-11-68	6.1			33.9	5102				
7-30-68	10.6	26.4	5050	15N/02E-35D01M	42.5	10-09-67	6.1	36.4	5102				
8-30-68	11.4	25.6	5050			3-14-68	5.1	37.4	5102				
9-27-68	6.4	30.6	5050	15N/02E-36A01M	44.5	10-09-67	8.3	36.2	5102				
14N/01E-24Q01M	37.0	10-10-67	7.5			29.5	5102	3-14-68	9.7	34.8	5102		
		3-11-68	8.2	28.8	5102	15N/03E-05D02M	59.6	10-13-67	17.8	41.8	5102		
14N/02E-14B01M	38.0	10-09-67	5.7	32.3	5102			3-07-68	15.1	44.5	5102		
		3-14-68	3.9	34.1	5102	15N/03E-10G01M	61.0	10-13-67	29.5	31.5	5102		
14N/02E-17A02M	34.0	10-10-67	8.0	26.0	5102			3-07-68	27.0	34.0	5102		
		3-11-68	7.2	26.8	5102	15N/03E-15H04M	59.0	2-13-68	(4) 27.7	31.3	5050		
14N/02E-26R01M	33.0	10-09-67	6.7	26.3	5102			4-03-68	26.8	32.2	5050		
		3-14-68	5.0	28.0	5102	15N/03E-17B02M	55.0	10-09-67	30.6	24.4	5102		
14N/02E-31K01M	31.0	10-10-67	6.5	24.5	5102			3-07-68	25.2	29.8	5102		
		3-11-68	5.0	26.0	5102	15N/03E-20R01M	52.7	10-09-67	32.8	19.9	5102		
14N/03E-05C01M	49.1	10-09-67	32.0	17.1	5102			3-11-68	28.1	24.6	5102		
		3-12-68	26.3	22.8	5102	15N/03E-21H02M	51.0	10-09-67	37.6	13.4	5102		
14N/03E-08N01M	44.9	10-09-67	30.5	14.4	5102			10-27-67	37.2	13.8	5050		
		3-14-68	(4) 29.1	15.8	5102			11-30-67	35.1	15.9	5050		
		4-05-68	(1)		5050			12-28-67	34.0	17.0	5050		
14N/03E-10P03M	48.0	10-09-67	33.8	14.2	5050			1-29-68	32.4	18.6	5050		
		3-07-68	30.2	17.8	5050			2-28-68	32.2	18.8	5050		
14N/03E-14E02M	47.0	10-09-67	18.7	28.3	5102			3-11-68	31.7	19.3	5102		
		3-12-68	20.7	26.3	5102			3-26-68	32.9	18.1	5050		
14N/03E-17A03M	46.0	10-27-67	32.5	13.5	5050			4-30-68	43.8	7.2	5050		
		11-30-67	31.4	14.6	5050			5-28-68	42.7	8.3	5050		
		12-28-67	30.7	15.3	5050	6-28-68	50.0	1.0	5050				
		1-29-68	30.0	16.0	5050	7-30-68	51.1	-0.1	5050				
		2-28-68	29.2	16.8	5050	8-30-68	45.9	5.1	5050				
		3-26-68	28.5	17.5	5050	9-27-68	42.7	8.3	5050				
		4-30-68	33.3	12.7	5050	15N/03E-26M01M	51.2	10-09-67	17.7	33.5	5102		
		5-28-68	34.1	11.9	5050			3-12-68	23.9	27.3	5102		
		6-28-68	36.2	9.8	5050	15N/03E-33N04M	48.0	10-09-67	34.5	13.5	5102		
		7-30-68	42.3	3.7	5050			3-12-68	29.1	18.9	5102		
8-30-68	35.3	10.7	5050	15N/03E-34L01M	52.0	10-09-67	37.9	14.1	5102				
9-27-68	35.3	10.7	5050			3-12-68	30.9	21.1	5102				
14N/03E-18D01M	41.0	10-09-67	7.3	33.7	5102	15N/01W-25A01M	50.0	10-10-67	14.2	35.8	5102		
		3-14-68	6.8	34.2	5102			3-11-68	9.4	40.6	5102		
14N/03E-22B02M	46.6	10-09-67	21.8	24.8	5102	16N/01E-08C01M	58.0	10-10-67	13.2	44.8	5102		
		3-12-68	21.2	25.4	5102			3-07-68	8.6	49.4	5102		



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SUTTER COUNTY 5-21.05						YUBA COUNTY 5-21.06					
16N/01E-18K01M	78.0	10-10-67 3-07-68	33.0 27.6	45.0 50.4	5102 5102	13N/05E-06E01M	62.8	10-11-67 3-04-68	52.9 43.5	9.9 19.3	5103 5103
16N/01E-31H01M	71.0	10-10-67 3-07-68	33.1 24.3	37.9 46.7	5102 5102	13N/05E-08B01M	76.1	10-11-67 3-04-68	28.6 24.7	47.5 51.4	5103 5103
16N/02E-02Q01M	71.0	10-13-67 3-07-68	7.2 7.0	63.8 64.0	5102 5102	14N/03E-12F01M	52.0	10-16-67 3-04-68	23.4 25.3	28.6 26.7	5103 5103
16N/02E-26Q01M	67.0	10-13-67 3-07-68	14.5 13.5	52.5 53.5	5102 5102	14N/03E-24B01M	48.2	10-16-67 3-04-68	36.0 30.0	12.2 18.2	5103 5103
16N/03E-07D02M	73.0	10-13-67 3-07-68	10.5 7.2	62.5 65.8	5102 5102	14N/03E-25C02M	48.0	10-16-67 3-04-68	26.8 22.6	21.2 25.4	5103 5103
16N/03E-21D01M	69.5	10-13-67 3-07-68	8.6 9.1	60.9 60.4	5102 5102	14N/03E-36C01M	50.0	10-16-67	(6)		5103
16N/03E-21D02M	70.0	10-26-67 11-29-67 12-28-67 1-29-68 2-28-68 3-25-68 4-30-68 5-28-68 6-27-68 7-29-68 8-29-68 9-26-68	9.5 10.2 10.8 11.2 9.5 9.1 10.0 8.0 11.8 11.1 9.7 11.0	60.5 59.8 59.2 58.8 60.5 60.9 60.0 62.0 58.2 58.9 60.3 59.0	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	14N/03E-36C02M	50.0	10-16-67 3-04-68	20.0 18.0	30.0 32.0	5103 5103
16N/03E-33J02M	65.4	10-13-67 3-07-68	24.5 24.0	40.9 41.4	5102 5102	14N/04E-05J02M	62.0	10-11-67 3-04-68	61.4 54.3	0.6 7.7	5103 5103
17N/01E-25J01M	75.5	10-10-67 3-07-68	37.0 24.6	38.5 50.9	5102 5102	14N/04E-07A03M	52.0	10-16-67 3-04-68	48.0 40.4	4.0 11.6	5103 5103
17N/01E-33G01M	68.0	10-10-67 3-07-68	19.5 16.2	48.5 51.8	5102 5102	14N/04E-11H01M	71.5	10-11-67 3-14-68	94.5 84.3	-23.0 -12.8	5103 5103
17N/02E-31A01M	86.0	10-10-67 3-07-68	38.9 28.2	47.1 57.8	5102 5102	14N/04E-13C01M	73.1	10-11-67 3-15-68	93.1 80.2	-20.0 -7.1	5103 5103
17N/02E-34A01M	74.6	10-10-67 10-26-67 11-29-67 12-28-67 1-29-68 2-28-68 3-07-68 3-25-68 4-30-68 5-28-68 6-27-68 7-29-68 8-29-68 9-26-68	(7) (7) 7.0 6.9 5.8 4.2 5.4 4.7 3.5 2.5 2.5 2.5 2.6 3.3		5102 5050 5050 5050 5050 5050 5102 5050 5050 5050 5050 5050 5050 5050	14N/04E-15C05M	64.0	10-16-67 10-26-67 11-29-67 12-28-67 1-29-68 2-28-68 3-04-68 3-25-68 4-29-68 5-28-68 6-27-68 7-29-68 8-29-68 9-26-68	67.7 67.6 66.0 64.3 63.1 61.7 61.3 60.3 60.6 65.8 67.2 68.8 69.0 70.4	-3.7 -3.6 -2.0 -0.3 0.9 2.3 2.7 3.7 3.4 -1.8 -3.2 -4.8 -5.0 -6.4	5103 5050 5050 5050 5050 5103 5103 5050 5050 5050 5050 5050 5050
17N/03E-30N01M	77.8	10-13-67 3-07-68	8.1 6.6	69.7 71.2	5102 5102	14N/04E-18C01M	51.5	10-16-67 3-04-68	51.0 34.2	0.5 17.3	5103 5103
17N/03E-33P01M	77.0	10-13-67 3-07-68	11.8 11.7	65.2 65.3	5102 5102	14N/04E-20H01M	42.0	10-16-67 3-04-68	39.3 28.4	2.7 13.6	5103 5103
YUBA COUNTY 5-21.06						14N/04E-22M01M	61.2	10-16-67 3-04-68	(1) 53.7		5103 5103
13N/04E-01Q01M	62.0	10-11-67 3-04-68	52.3 41.7	9.7 20.3	5103 5103	14N/04E-23A01M	71.0	10-11-67 3-04-68	85.5 83.2	-14.5 -12.2	5103 5103
13N/04E-02C01M	65.0	10-11-67 3-04-68	73.2 54.2	-8.2 10.8	5103 5103	14N/04E-24P01M	69.0	10-11-67 3-04-68	90.5 79.5	-21.5 -10.5	5103 5103
13N/04E-04H01M	56.0	10-11-67 10-27-67 3-04-68	(1) (1) 45.0		5103 5050 5103	14N/04E-28R01M	58.7	10-16-67 3-04-68	53.4 49.9	5.3 8.8	5103 5103
13N/04E-07E01M	38.7	10-16-67 3-04-68	14.5 14.8	24.2 23.9	5103 5103	14N/04E-30F01M	44.0	10-16-67 2-13-68 3-04-68	(1) 26.3 26.1		5103 5050 5103
13N/04E-09R01M	49.0	10-11-67 10-27-67 3-04-68	(1) 35.8 31.5		5103 5050 5103	14N/04E-30K01M	45.0	10-16-67 3-04-68	35.1 24.5	9.9 20.5	5103 5103
13N/04E-17P01M	41.1	10-16-67 10-27-67 2-13-68 3-04-68	(4) 15.4 15.7 12.7		5103 5050 5050 5103	14N/04E-30N01M	45.0	10-26-67 11-29-67 12-28-67 1-29-68 2-28-68 3-25-68 4-29-68 5-28-68 6-27-68 7-29-68 8-29-68 9-26-68	24.9 24.1 23.9 23.4 21.8 21.4 27.7 36.8 39.4 38.1 32.7 29.1	20.1 20.9 21.1 21.6 23.2 23.6 17.3 8.2 5.6 6.9 12.3 15.9	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
13N/04E-20B02M	41.3	10-26-67 11-29-67 12-28-67 1-29-68 2-28-68 3-25-68 4-29-68 5-28-68 6-27-68 7-29-68 8-29-68 9-26-68	15.7 14.7 14.8 14.5 11.8 10.4 13.0 14.6 14.3 19.4 18.7 18.5	25.6 26.6 26.5 26.8 29.5 30.9 28.3 26.7 27.0 21.9 22.6 22.8	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	14N/04E-32M01M	49.0	10-16-67 3-04-68	26.4 26.7	22.6 22.3	5103 5103
13N/05E-04J01M	83.0	10-11-67 3-05-68	29.3 27.2	53.7 55.8	5103 5103	14N/04E-35N01M	62.0	10-11-67 3-04-68	(1) 57.4		5103 5103
						14N/04E-36G01M	68.8	10-11-67 3-31-68	76.2 66.2	-7.4 2.6	5103 5103
						14N/05E-05A01M	89.2	10-11-67 3-15-68	111.8 94.5	-22.6 -5.3	5103 5103
						14N/05E-06B01M	77.8	10-11-67 3-15-68	95.9 85.1	-18.1 -7.3	5103 5103
						14N/05E-08R01M	88.9	10-11-67 3-15-68	109.5 95.1	-20.6 -6.2	5103 5103
						14N/05E-12N01M	121.0	10-09-67 3-07-68	7.4 6.6	113.6 114.4	5050 5050

TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YUBA COUNTY 5-21.06						YUBA COUNTY 5-21.06					
14N/05E-13C01M	121.0	10-09-67 3-07-68	25.3 23.5	95.7 97.5	5050 5050	15N/04E-26C01M	75.0	11-06-67 3-15-68	79.2 70.5	-4.2 4.5	5050 5103
14N/05E-15C01M	106.0	10-09-67 3-07-68	(1) 97.8	8.2	5103 5103	15N/04E-27A01M	81.0	11-06-67 3-31-68	70.9 67.1	10.1 13.9	5050 5103
14N/05E-16C02M	98.0	10-11-67 3-15-68	114.6 96.1	-16.6 1.9	5103 5103	15N/04E-27J01M	71.0	11-06-67 3-07-68	67.9 65.8	3.1 5.2	5050 5050
14N/05E-18A01M	86.2	10-11-67 10-27-67 3-15-68	(1) 109.8 96.4	-23.6 -10.2	5103 5050 5103	15N/04E-28D01M	77.1	10-12-67 3-15-68	63.7 58.6	13.4 18.5	5103 5103
14N/05E-20D02M	86.0	10-11-67 3-15-68	106.7 96.8	-20.7 -10.8	5103 5103	15N/04E-32D01M	64.0	10-11-67 10-26-67 11-29-67 12-28-67 1-29-68 2-28-68 3-04-68 3-25-68 4-29-68 5-28-68 6-27-68 7-29-68 8-29-68 9-26-68	51.8 50.3 47.8 46.5 45.9 44.6 44.2 44.2 51.6 52.8 57.2 59.7 58.6 56.3	12.2 13.7 16.2 17.5 18.1 19.4 19.4 19.8 12.4 11.2 6.8 4.3 5.4 7.7	5103 5050 5050 5050 5050 5103 5103 5050 5050 5050 5050 5050 5050
14N/05E-21R02M	92.5	10-11-67 3-15-68	105.6 86.1	-13.1 6.4	5103 5103	15N/04E-33D01M	70.0	10-11-67 3-15-68	62.7 56.3	7.3 13.7	5103 5103
14N/05E-26F01M	125.0	10-09-67 3-07-68	93.5 89.7	31.5 35.3	5103 5103	15N/04E-34E01M	65.0	2-13-68 3-07-68	58.7 57.9	6.3 7.1	5050 5050
14N/05E-27L02M	92.0	10-11-67 3-15-68	82.0 70.7	10.0 21.3	5103 5103	15N/04E-35P01M	68.0	10-11-67 3-15-68	73.2 70.6	-5.2 -2.6	5103 5103
14N/05E-30Q01M	77.2	10-11-67 10-26-67 11-28-67 12-28-67 1-28-68 2-28-68 3-15-68 3-25-68 4-29-68 5-28-68 6-27-68 7-31-68 8-29-68 9-26-68	82.3 82.4 78.1 76.0 74.1 72.3 71.6 70.8 79.8 82.5 91.1 96.1 91.8 93.1	-5.1 -5.2 -0.9 1.2 3.1 4.9 5.6 6.4 -2.6 -5.3 -13.9 -18.9 -14.6 -15.9	5103 5050 5050 5050 5050 5103 5103 5050 5050 5050 5050 5050 5050 5050	15N/05E-06R01M	105.0	10-09-67 3-07-68	25.2 21.7	79.8 83.3	5050 5050
14N/05E-32R02M	74.0	10-11-67 3-05-68	57.0 48.8	17.0 25.2	5103 5103	15N/05E-19N01M	80.0	10-09-67 3-07-68	96.8 86.6	-16.8 -6.6	5050 5050
14N/05E-34G01M	108.0	10-09-67 3-07-68	73.4 68.2	34.6 39.8	5050 5050	15N/05E-29C01M	91.0	10-09-67 3-07-68	94.9 96.1	-3.9 -5.1	5050 5050
15N/03E-01D05M	66.0	10-26-67 11-29-67 12-28-67 1-29-68 2-28-68 3-25-68 4-29-68 5-28-68 6-27-68 7-29-68 8-29-68 9-26-68	19.8 18.8 18.3 18.0 16.4 15.4 22.9 26.8 31.4 30.4 27.8 27.5	46.2 47.2 47.7 48.0 49.6 50.6 43.1 39.2 34.6 35.6 38.2 38.5	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	15N/05E-30B01M	88.0	10-26-67 11-29-67 12-28-67 1-29-68 2-28-68 3-25-68 4-29-68 5-28-68 6-27-68 7-29-68 8-29-68 9-26-68	97.0 93.1 92.2 91.0 90.0 89.2 96.5 97.8 101.2 107.3 104.2 102.0	-9.0 -5.1 -4.2 -3.0 -2.0 -1.2 -8.5 -9.8 -13.2 -19.3 -16.2 -14.0	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
15N/03E-11C02M	60.0	10-12-67 3-15-68	22.5 22.4	37.5 37.6	5103 5103	15N/05E-32G01M	90.0	10-09-67 3-07-68	101.1 95.6	-11.1 -5.6	5050 5050
15N/03E-13F01M	56.0	10-13-67 3-07-68	22.0 17.3	34.0 38.7	5050 5050	15N/05E-33G01M	108.0	3-07-68	101.9	6.1	5050
15N/03E-25J01M	57.0	10-11-67 3-04-68	20.5 18.6	36.5 38.4	5103 5103	16N/03E-01P02M	78.0	10-12-67 10-26-67 11-29-67 12-28-67 1-29-68 2-28-68 3-18-68 3-25-68 4-29-68 5-28-68 6-27-68 7-29-68 8-29-68 9-26-68	24.1 23.8 22.8 22.4 21.8 20.4 19.5 19.1 22.5 23.9 28.0 30.7 29.4 29.4	53.9 54.2 55.2 55.6 56.2 57.6 58.5 58.9 55.5 54.1 50.0 47.3 48.6 48.6	5103 5050 5050 5050 5050 5050 5103 5050 5050 5050 5050 5050 5050
15N/04E-04R01M	85.4	10-12-67 3-15-68	35.0 32.2	50.4 53.2	5103 5103	15N/05E-33C01M	108.0	3-07-68	101.9	6.1	5050
15N/04E-07H01M	70.0	10-13-67 3-15-68	17.8 17.2	52.2 52.8	5103 5103	16N/03E-14B02M	73.2	10-12-67 3-18-68	19.4 14.9	53.8 58.3	5103 5103
15N/04E-13A01M	89.0	10-09-67 3-07-68	62.2 53.6	26.8 35.4	5050 5050	16N/03E-24A01M	69.0	10-12-67 3-18-68	18.5 12.8	50.5 56.2	5103 5103
15N/04E-15A01M	78.5	10-12-67 3-15-68	35.6 31.4	42.9 47.1	5103 5103	16N/03E-26F01M	68.2	10-12-67 3-18-68	17.5 19.4	50.7 48.8	5103 5103
15N/04E-15R01M	81.0	10-12-67 3-15-68	54.0 48.0	27.0 33.0	5103 5103	16N/03E-36G01M	63.5	10-12-67 3-18-68	14.8 10.6	48.7 52.9	5103 5103
15N/04E-16P01M	76.3	10-12-67 3-15-68	39.1 37.9	37.2 38.4	5103 5103	16N/04E-08A01M	91.0	10-13-67 3-18-68	59.3 32.4	31.7 58.6	5103 5103
15N/04E-20E01M	71.0	10-12-67 3-15-68	30.5 28.6	40.5 42.4	5103 5103	16N/04E-16A01M	94.2	10-11-67 3-18-68	40.3 41.4	53.9 52.8	5103 5103
15N/04E-22P01M	72.0	10-11-67 3-15-68	58.0 52.1	14.0 19.9	5103 5103	16N/04E-17R01M	81.0	10-26-67 11-29-67 12-28-67 1-29-68 2-28-68 3-25-68 4-29-68 5-28-68 6-27-68 7-29-68 8-29-68 9-26-68	12.0 11.4 11.7 11.7 10.8 10.9 12.1 11.4 10.5 10.4 8.3 9.6	69.0 69.6 69.3 70.2 70.1 68.9 69.6 70.5 70.6 72.7 71.4	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
15N/04E-23A01M	83.0	10-12-67 3-15-68	67.7 54.3	15.3 28.7	5103 5103						
15N/04E-24A01M	86.3	10-09-67 3-07-68	88.4 79.7	-2.1 6.6	5050 5050						
15N/04E-24B01M	85.0	10-09-67 3-07-68	87.3 78.5	-2.3 6.5	5050 5050						
15N/04E-24H01M	80.0	10-09-67 3-07-68	92.0 81.1	-12.0 -1.1	5050 5050						
15N/04E-24M01M	79.0	3-07-68	70.4	8.6	5050						
15N/04E-25L02M	78.0	11-06-67 3-15-68	90.9 83.0	-12.9 -5.0	5050 5103						



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YUBA COUNTY 5-21.06						PLACER COUNTY 5-21.07					
16N/04E-27P02M	86.0	10-13-67 3-15-68	8.5 11.8	77.5 74.2	5103 5103	11N/05E-03M03M	89.3	10-04-67 10-26-67 11-29-67 12-28-67 1-26-68 2-27-68 3-05-68 3-22-68 4-29-68 5-28-68 6-27-68 7-29-68 8-29-68 9-26-68	82.5 82.3 80.7 80.1 79.1 78.8 78.5 79.1 80.6 79.9 81.9 81.6 82.3 82.2	6.8 7.0 8.6 9.2 10.2 10.5 10.8 10.2 8.7 9.4 7.4 7.7 7.0 7.1	5107 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
16N/04E-28E01M	80.2	10-13-67 3-15-68	8.4 8.3	71.8 71.9	5103 5103	11N/05E-06H01M	57.5	10-05-67 3-05-68	53.5 48.9	4.0 8.6	5107 5107
16N/04E-33N01M	79.6	10-13-67 3-15-68	10.6 11.1	69.0 68.5	5103 5103	11N/05E-07H01M	63.0	10-05-67 4-04-68	66.5 58.6	-3.5 4.4	5107 5050
16N/04E-34Q01M	94.6	10-13-67 3-15-68	14.4 20.4	80.2 74.2	5103 5103	11N/05E-15G01M	74.7	10-03-67 2-29-68	72.5 64.3	2.2 10.4	5107 5107
17N/03E-22R01M	85.5	10-12-67 3-18-68	26.7 22.9	58.8 62.6	5103 5103	11N/05E-16H01M	88.0	10-03-67 2-29-68	84.7 82.3	3.3 5.7	5107 5107
17N/03E-26A02M	86.6	10-12-67 3-18-68	24.8 21.7	61.8 64.9	5103 5103	11N/05E-17A04M	72.0	10-03-67 2-29-68	(8) 66.5		5107 5107
17N/03E-35H02M	82.0	10-12-67 3-18-68	27.0 22.8	55.0 59.2	5103 5103	11N/05E-18R01M	61.0	10-03-67 3-05-68	68.8 63.5	-7.8 -2.5	5401 5401
17N/04E-27F01M	106.0	10-12-67 3-18-68	56.1 44.4	49.9 61.6	5103 5103	11N/05E-20C01M	63.0	10-03-67 2-29-68	(1) 67.2		5107 5107
17N/04E-30R01M	89.0	10-12-67 3-18-68	35.0 26.2	54.0 62.8	5103 5103	11N/05E-24J01M	106.0	2-08-68 3-07-68	83.2 82.9	22.8 23.1	5050 5050
17N/04E-33Q01M	105.0	10-12-67 3-18-68	63.7 47.2	41.3 57.8	5103 5103	11N/05E-28C01M	70.0	10-03-67 2-29-68	73.0 68.0	-3.0 2.0	5107 5107
17N/04E-35C01M	121.7	10-12-67 3-18-68	61.9 53.2	59.8 68.5	5103 5103	11N/05E-29G02M	64.0	10-03-67 2-29-68	78.3 65.9	-14.3 -1.9	5107 5107
PLACER COUNTY 5-21.07						11N/05E-31D03M	52.0	10-03-67 3-03-68	DRY DRY		5107 5107
10N/05E-04Q01M	72.2	10-03-67 2-29-68	75.4 73.0	-3.2 -0.8	5107 5107	11N/05E-32R01M	70.0	10-03-67 10-25-67 11-28-67 12-27-67 1-26-68 2-27-68 2-29-68 3-22-68 4-29-68 5-27-68 6-27-68 7-29-68 8-29-68 9-26-68	79.0 78.1 76.7 75.6 74.7 74.1 74.1 73.5 75.6 77.3 80.4 81.6 81.6 81.9	-9.0 -8.1 -6.7 -5.6 -4.7 -4.1 -4.1 -3.5 -5.6 -7.3 -10.4 -11.6 -11.6 -11.9	5107 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
10N/05E-05E01M	55.0	10-03-67 3-06-68	75.4 68.3	-20.4 -13.3	5107 5107	11N/05E-34R03M	97.0	10-03-67 10-06-67 2-29-68	90.7 90.1 86.2	6.3 6.9 10.8	5107 5050 5107
10N/05E-06E01M	44.6	10-03-67	(0)		5107	11N/06E-06B01M	130.2	10-04-67 3-01-68	100.3 98.2	29.9 32.0	5107 5107
10N/05E-08L02M	51.5	10-03-67 3-06-68	61.9 60.7	-10.4 -9.2	5107 5107	11N/06E-10P01M	125.0	10-03-67 2-29-68	47.2 47.0	77.8 78.0	5107 5107
10N/05E-10J03M	87.0	10-03-67 2-29-68	90.7 82.1	-3.7 4.9	5107 5107	11N/06E-11R01M	162.0	10-03-67 2-29-68	17.8 17.5	144.2 144.5	5107 5107
10N/05E-12D01M	105.0	10-03-67 2-29-68	90.2 90.8	14.8 14.2	5107 5107	11N/06E-15C04M	116.0	10-03-67 2-29-68	67.1 67.3	48.9 48.7	5107 5107
10N/06E-03M01M	136.0	10-03-67 2-29-68 4-04-68	(8) (8) 109.3		5107 5107 5050	11N/06E-17J02M	109.0	10-03-67 2-29-68 4-05-68	66.0 (8) (8)	43.0	5107 5107 5050
10N/06E-05H01M	141.0	10-03-67 10-26-67 11-29-67 12-28-67 1-26-68 2-27-68 2-29-68 3-22-68 4-29-68 5-28-68 6-27-68 7-29-68 8-29-68 9-26-68	116.5 116.0 114.2 113.6 112.8 112.6 112.6 112.6 (1) 115.5 118.6 119.8 118.9 119.0	24.5 25.0 26.8 27.4 28.2 28.4 28.4 28.4 25.5 22.4 21.2 22.1 22.0	5107 5050 5050 5050 5050 5107 5107 5050 5050 5050 5050 5050 5050 5050	11N/06E-18P05M	85.0	10-03-67 2-29-68	62.9 56.8	22.1 28.2	5107 5107
10N/06E-05L01M	134.0	10-03-67 2-29-68	114.8 111.4	19.2 22.6	5107 5107	11N/06E-28N01M	148.0	10-03-67 2-29-68	126.6 119.1	21.4 28.9	5107 5107
10N/06E-07L01M	94.0	10-03-67 2-29-68	78.2 74.0	15.8 20.0	5107 5107	11N/06E-30F02M	105.0	10-09-67 3-07-68	94.2 92.1	10.8 12.9	5050 5050
10N/06E-09D01M	142.0	10-03-67 3-01-68 4-04-68	(3) (3) 104.9		5107 5107 5050	11N/06E-32F02M	125.8	10-03-67 2-29-68	105.0 101.3	20.8 24.5	5107 5107
10N/06E-10C01M	146.4	10-03-67 3-01-68	121.0 120.8	25.4 25.6	5107 5107	11N/06E-34D01M	161.5	10-03-67 2-29-68	(1) 123.6		5107 5107
10N/06E-12D01M	145.0	10-03-67 3-01-68	20.5 21.0	124.5 124.0	5107 5107	12N/05E-01D02M	97.8	10-04-67 3-05-68	42.3 35.5	55.5 62.3	5107 5107
10N/06E-13C01M	188.7	10-03-67 3-01-68	(7) 152.7		5107 5107	12N/05E-01R01M	112.5	10-04-67 3-05-68	51.9 43.0	60.6 69.5	5107 5107
10N/06E-17A01M	140.0	10-03-67 2-29-68	120.2 115.3	19.8 24.7	5107 5107						
10N/07E-07E02M	160.5	10-03-67 3-01-68 4-04-68	123.3 (8) 117.7	37.2 5107 42.8	5107 5107 5050						
10N/07E-18J01M	195.0	10-03-67 3-01-68 4-04-68	148.4 (8) 146.7	46.6 5107 48.3	5107 5107 5050						
11N/05E-01N01M	106.3	10-04-67	(7)		5107						



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	
PLACER COUNTY 5-21.07						PLACER COUNTY 5-21.07						
12N/05E-04F01M	77.0	10-04-67 3-05-68	53.7 48.6	23.3 28.4	5107 5107	12N/06E-27D01M	139.7	10-04-67 3-01-68	106.3 106.2	33.4 33.5	5107 5107	
12N/05E-06J03M	62.0	10-09-67 3-07-68	24.9 26.5	37.1 35.5	5107 5107	12N/06E-27D02M	139.0	10-26-67 11-29-67 12-28-67 1-29-68 2-28-68 3-25-68 4-29-68 5-28-68 6-27-68 7-29-68 8-29-68 9-26-68	106.9 107.4 107.1 106.8 106.5 105.9 105.3 105.1 105.7 106.2 106.8 107.3	32.1 31.6 31.9 32.2 32.5 33.1 33.7 33.9 33.3 32.8 32.2 31.7	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	
12N/05E-06R01M	69.0	10-04-67 3-05-68	42.0 36.8	27.0 32.2	5107 5107	12N/06E-28M01M	128.5	10-04-67 3-05-68	(9) 96.2		32.3	5107 5107
12N/05E-07H01M	68.5	10-04-67 3-05-68	43.2 40.0	25.3 28.5	5107 5107	12N/06E-30L01M	108.3	10-04-67 3-05-68	61.2 58.3	47.1 50.0		5107 5107
12N/05E-12Q01M	106.0	10-04-67 10-26-67 11-29-67 12-28-67 1-29-68 2-28-68 3-05-68 3-25-68 4-29-68 5-28-68 6-27-68 7-29-68 8-29-68 9-26-68	62.8 62.1 57.0 55.4 54.2 53.2 53.3 52.4 71.9 64.6 77.6 80.3 82.4 67.0	43.2 43.9 49.0 50.6 51.8 52.8 52.7 53.6 34.1 41.4 28.4 25.7 23.6 39.0	5107 5050 5050 5050 5050 5050 5107 5050 5050 5050 5050 5050 5050 5050	12N/06E-32K01M	117.0	10-04-67 3-01-68 4-05-68	(1) (8) 82.6		5107 5107 5050	
12N/05E-14N01M	100.6	10-05-67 3-05-68 4-04-68	72.6 (8) 70.9	28.0	5107 5107 5050	13N/05E-01K01M	126.0	10-04-67 3-01-68	37.3 37.2	88.7 88.8		5107 5107
12N/05E-14R01M	103.4	10-05-67 3-05-68	76.0 70.8	27.4 32.6	5107 5107	13N/05E-03J01M	95.0	10-04-67 3-01-68	26.4 27.7	68.6 67.3		5107 5107
12N/05E-15A01M	89.0	10-04-67 3-05-68	76.6 70.0	12.4 19.0	5107 5107	13N/05E-10B01M	88.6	10-04-67 10-26-67 11-29-67 12-28-67 1-29-68 2-28-68 3-01-68 3-25-68 4-29-68 5-28-68 6-27-68 7-29-68 8-29-68 9-26-68	27.0 26.3 25.5 25.5 25.6 24.8 24.6 23.8 32.3 28.2 30.0 33.1 30.8 29.0	61.6 62.3 63.1 63.1 63.0 63.8 64.0 64.8 56.3 60.4 58.6 55.5 57.8 59.6	5107 5050 5050 5050 5050 5050 5107 5050 5050 5050 5050 5050 5050	
12N/05E-17A02M	75.0	10-04-67 3-05-68	67.4 59.5	7.6 15.5	5107 5107	13N/05E-22C03M	80.0	10-04-67 3-05-68	28.1 27.1	51.9 52.9		5107 5107
12N/05E-17D01M	66.5	10-04-67 10-26-67 11-29-67 12-28-67 1-29-68 2-28-68 3-05-68 3-25-68 4-29-68 5-28-68 6-27-68 7-29-68 8-29-68 9-26-68	53.0 51.5 49.6 48.4 47.3 46.5 46.3 45.8 47.0 45.9 47.0 48.0 57.4 52.9	13.5 15.0 16.9 18.1 19.2 20.0 20.2 20.7 19.5 20.6 19.5 18.5 9.1 13.6	5107 5050 5050 5050 5050 5050 5107 5050 5050 5050 5050 5050 5050 5050	13N/05E-24E02M	92.0	10-04-67 3-05-68	37.3 31.7	54.7 60.3		5107 5107
12N/05E-18R01M	66.0	10-04-67 3-05-68	52.2 45.5	13.8 20.5	5107 5107	13N/05E-24J01M	101.3	10-04-67 3-01-68	44.4 39.8	56.9 61.5		5107 5107
12N/05E-23N01M	103.0	10-05-67	(0)		5107	13N/05E-27R03M	87.0	10-04-67 3-05-68	43.0 (6)	44.0		5107 5107
12N/05E-26D01M	90.0	10-05-67 3-05-68	73.7 68.7	16.3 21.3	5107 5107	13N/05E-34P01M	87.0	10-04-67 3-05-68	51.3 43.0	35.7 44.0		5107 5107
12N/05E-26H02M	91.0	10-05-67 3-05-68	65.1 59.6	25.9 31.4	5107 5107	13N/05E-34R03M	90.0	10-04-67 3-05-68	50.2 41.5	39.8 48.5		5107 5107
12N/05E-28C01M	77.0	10-05-67 3-05-68 4-05-68	(8) (8) 64.1		5107 5107 5050	13N/06E-06A01M	160.0	10-04-67 3-01-68	50.4 47.5	109.6 112.5		5107 5107
12N/05E-29D01M	64.0	10-05-67 3-05-68	57.7 46.4	6.3 17.6	5107 5107	13N/06E-09N02M	164.8	10-04-67 3-01-68	15.7 13.8	149.1 151.0		5107 5107
12N/05E-31A01M	59.0	10-05-67 3-05-68	48.6 43.9	10.4 15.1	5401 5401	13N/06E-19B01M	131.4	10-04-67 3-01-68	53.8 (9)	77.6		5107 5107
12N/05E-33C01M	67.0	10-05-67 3-05-68	60.6 56.3	6.4 10.7	5107 5107	13N/06E-30M01M	107.8	10-04-67 3-01-68	36.9 31.9	70.9 75.9		5107 5107
12N/05E-35E02M	90.2	10-05-67 3-01-68	80.5 78.7	9.7 11.5	5107 5107	13N/06E-33C01M	142.0	10-04-67 3-01-68	41.5 22.3	100.5 119.7		5107 5107
12N/06E-06A01M	123.5	10-04-67 3-01-68	42.2 36.5	81.3 87.0	5107 5107	13N/06E-33M01M	147.0	10-04-67 3-01-68	51.5 31.4	95.5 115.6		5107 5107
12N/06E-07M01M	109.7	10-04-67 3-05-68	63.2 54.1	46.5 55.6	5107 5107	13N/06E-33M02M	140.5	10-04-67 3-01-68	20.6 20.7	119.9 119.8		5107 5107
12N/06E-11E01M	175.0	10-04-67 3-01-68	43.5 27.9	131.5 147.1	5107 5107	13N/06E-34P02M	168.0	10-04-67 3-01-68	(8) (4)			5107 5107
12N/06E-14F01M	180.0	10-04-67 3-01-68	17.8 15.2	162.2 164.8	5107 5107	SACRAMENTO COUNTY 5-21.08						
12N/06E-16D01M	132.9	10-04-67 3-01-68	69.4 (5)	63.5	5107 5107	5N/05E-01D02M	25.0	10-05-67 3-06-68	60.1 52.3	-35.1 -27.3		5001 5001
12N/06E-18L01M	112.5	10-04-67 3-05-68	50.9 47.4	61.6 65.1	5107 5107	5N/05E-04C01M	13.0	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	54.8 52.1 50.0 48.9 47.9 47.6 48.9 52.1 59.6 58.2 59.1 61.0	-41.8 -39.1 -37.0 -35.9 -34.9 -34.6 -35.9 -39.1 -46.6 -45.2 -46.1 -48.0	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	
12N/06E-19P01M	114.0	10-04-67 3-05-68 3-07-68	(8) (8) 69.0		5107 5107 5050							
12N/06E-20P03M	129.0	10-04-67 3-05-68	103.0 92.0	26.0 37.0	5107 5107							



TABLE C-2 (Cont.)

## GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08						SACRAMENTO COUNTY 5-21.08					
5N/05E-06B01M	7.5	10-10-67 3-12-68	29.0 26.7	-21.5 -19.2	5050 5050	5N/06E-27C01M	46.0	10-18-67 3-15-68	85.8 75.1	-39.8 -29.1	4202 4202
5N/05E-07G01M	8.0	10-05-67 3-05-68	15.2 14.2	-7.2 -6.2	5001 5001	5N/06E-29C01M	28.0	10-18-67 3-15-68	70.2 58.1	-42.2 -30.1	4202 4202
5N/05E-10Q01M	15.0	10-18-67 3-15-68	39.3 32.7	-24.3 -17.7	4202 4202	5N/06E-29H01M	32.6	10-04-67 3-05-68 6-08-68	81.5 63.4 80.0	-48.9 -30.8 -47.4	5001 5001 5050
5N/05E-11B02M	21.8	10-05-67 3-06-68	46.9 38.5	-25.1 -16.7	5001 5001	5N/06E-30E01M	24.0	10-04-67 10-18-67 3-05-68 3-15-68	68.3 54.4 41.4 41.3	-44.3 -30.4 -17.4 -17.3	5001 4202 5001 4202
5N/05E-11N01M	17.9	10-05-67 3-05-68	33.0 29.1	-15.1 -11.2	5001 5001	5N/06E-31E03M	20.0	10-04-67 3-05-68	48.2 41.0	-28.2 -21.0	5001 5001
5N/05E-12N01M	12.0	10-10-67 3-12-68	23.6 18.2	-11.6 -6.2	5050 5050	5N/06E-33H01M	38.5	10-04-67 3-05-68 8-07-68	61.0 54.5 68.6	-22.5 -16.0 -30.1	5001 5001 5050
5N/05E-17A01M	9.6	10-05-67 3-05-68	17.2 18.0	-7.6 -8.4	5001 5001	5N/06E-33J01M	41.0	10-18-67 3-15-68	66.0 51.1	-25.0 -10.1	4202 4202
5N/05E-22B01M	12.0	10-05-67 3-05-68	17.9 18.1	-5.9 -6.1	5001 5001	5N/06E-35M02M	53.0	10-04-67 3-05-68 8-09-68	61.4 50.8 53.7	-8.4 2.2 -0.7	5001 5001 5050
5N/05E-25C01M	17.0	10-04-67 3-05-68	(9) (9)		5001 5001	5N/07E-06A01M	65.0	10-10-67 3-13-68	(1) 72.1		5050 5050
5N/05E-35E01M	10.0	10-04-67 3-05-68	7.0 4.9	3.0 5.1	5001 5001	5N/07E-07E02M	60.0	10-09-67 3-06-68	92.3 83.6	-32.3 -23.6	5001 5001
5N/06E-02C01M	50.0	10-24-67 3-15-68	77.9 68.5	-27.9 -18.5	4202 4202	5N/07E-08Q01M	75.0	10-10-67 3-13-68	93.0 83.8	-18.0 -8.8	5050 5050
5N/06E-02M01M	51.0	10-09-67 3-06-68 8-08-68	75.0 71.1 (3)	-24.0 -20.1	5001 5001 5050	5N/07E-09D01M	73.7	10-09-67 3-06-68	(3) 88.2		5001 5001
5N/06E-04R02M	40.0	10-10-67 3-13-68	(1) 58.2		5050 5050	5N/07E-12E02M	127.0	10-09-67 3-06-68	128.0 123.0	-1.0 4.0	5001 5001
5N/06E-06C01M	25.0	10-05-67 3-05-68	27.4 26.5	-2.4 -1.5	5001 5001	5N/07E-14N01M	91.5	10-06-67 3-06-68	(1) 89.2		5001 5001
5N/06E-07Q02M	27.0	10-10-67 3-12-68	33.5 31.4	-6.5 -4.4	5050 5050	5N/07E-20G01M	76.7	10-09-67 3-06-68	104.0 87.8	-27.3 -11.1	5001 5001
5N/06E-08F01M	30.0	10-10-67 3-12-68	43.6 (1) 48.6	-13.6 -18.6	5050 5050	5N/07E-23H01M	100.0	10-17-67 3-13-68	(1) 94.7		5050 5050
5N/06E-09M02M	36.0	10-10-67 3-12-68	57.2 55.5	-21.2 -19.5	5050 5050	5N/07E-26J01M	91.0	10-06-67 3-06-68	104.6 86.8	-13.6 4.2	5001 5001
5N/06E-10A01M	47.3	10-10-67 10-16-67 3-07-68	(1) 86.4 69.9		5050 5050 5050	5N/07E-28A01M	86.0	10-10-67 3-13-68	104.4 88.0	-18.4 -2.0	5050 5050
5N/06E-10P01M	41.3	10-11-67 3-11-68	83.0 74.8	-41.7 -33.5	5050 5050	5N/07E-29K01M	71.0	10-06-67 3-06-68 8-07-68	83.8 77.6 97.0	-12.8 -6.6 -26.0	5001 5001 5050
5N/06E-12R01M	64.0	10-09-67 3-06-68 8-08-68	91.3 74.4 (1)	-27.3 -10.4	5001 5001 5050	5N/07E-29K02M	71.0	10-06-67 3-06-68 8-07-68	92.7 82.3 (1)	-21.7 -11.3	5001 5001 5050
5N/06E-13R01M	63.5	10-09-67 3-06-68 8-08-68	94.4 84.8 (1)	-30.9 -21.3	5001 5001 5050	5N/07E-30A01M	73.0	10-18-67 3-15-68	97.2 82.8	-24.2 -9.8	4202 4202
5N/06E-14D01M	52.0	10-18-67 3-15-68	86.0 80.4	-34.0 -28.4	4202 4202	5N/08E-08N01M	173.0	10-09-67 3-06-68	147.1 144.4	25.9 28.6	5001 5001
5N/06E-15C02M	45.0	10-10-67 3-07-68	81.3 77.1	-36.3 -32.1	5050 5050	6N/04E-24A01M	10.0	10-17-67 3-12-68	29.2 28.6	-19.2 -18.6	5050 5050
5N/06E-15R02M	41.0	10-11-67 3-06-68 8-08-68	80.8 76.0 (1)	-39.8 -35.0	5001 5001 5050	6N/05E-01C01M	39.3	10-25-67 11-27-67 12-27-67 1-26-68 2-26-68 3-21-68 4-26-68 5-27-68 6-26-68 7-26-68 8-27-68 9-24-68	97.0 95.8 95.0 93.9 92.8 92.0 92.6 93.3 95.3 97.6 98.3 99.5	-57.7 -56.5 -55.7 -54.6 -53.5 -52.7 -53.3 -54.0 -56.0 -58.3 -59.0 -60.2	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
5N/06E-17J01M	32.5	10-03-67 3-05-68 8-08-68	67.7 63.5 75.7	-35.2 -31.0 -43.2	5001 5001 5050	6N/05E-01D01M	40.6	10-11-67 3-11-68	83.5 76.5	-42.9 -35.9	5050 5050
5N/06E-19B01M	20.0	10-04-67 3-05-68 8-08-68	(4) 39.0 (4)		5001 5001 5050	6N/05E-04N01M	19.5	10-05-67 3-06-68	75.9 69.0	-56.4 -49.5	5001 5001
5N/06E-21J03M	42.0	10-04-67 3-05-68 8-08-68	(4) 79.5 93.3		5001 5001 5050	6N/05E-10B01M	34.5	10-05-67 3-06-68	104.1 94.0	-69.6 -59.5	5001 5001
5N/06E-26D01M	51.3	10-11-67 3-11-68	84.6 73.1	-33.3 -21.8	5050 5050	6N/05E-10G01M	36.0	10-18-67 3-15-68	107.0 95.4	-71.0 -59.4	4202 4202
5N/06E-26H01M	55.0	10-06-67 3-06-68 8-08-68	83.5 72.4 (1)	-28.5 -17.4	5001 5001 5050	6N/05E-12E01M	39.0	10-05-67 3-06-68	106.6 96.6	-67.6 -57.6	5001 5001
5N/06E-26K01M	50.0	10-25-67 11-27-67 12-27-67 1-26-68 2-26-68 3-21-68 4-25-68 5-27-68 6-26-68 7-26-68 8-27-68 9-25-68	77.3 73.0 71.1 70.1 68.8 67.6 73.6 76.7 84.8 89.7 85.7 85.5	-27.3 -23.0 -21.1 -20.1 -18.8 -17.6 -23.6 -26.7 -34.8 -39.7 -35.7 -35.5	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	6N/05E-14J01M	32.5	10-06-67 3-06-68	(1) 89.9		5001 5001



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08						SACRAMENTO COUNTY 5-21.08					
6N/05E-15B01M	26.4	10-05-67 3-06-68	89.8 87.4	-63.4 -61.0	5001 5001	6N/06E-34P01M	46.9	10-09-67 3-06-68	(1) 61.3	-14.4	5001 5001
6N/05E-17F01M	16.0	10-05-67 3-05-68	62.0 57.8	-46.0 -41.8	5001 5001	6N/06E-36K01M	61.0	10-09-67	(0)		5001
6N/05E-18G01M	13.9	10-05-67	(4)		5001	6N/07E-04G01M	107.5	10-09-67 3-07-68	98.9 94.7	8.6 12.8	5001 5001
6N/05E-20A02M	16.3	10-05-67 3-06-68	(1) 67.6	-51.3	5001 5001	6N/07E-06N01M	78.7	10-10-67 3-08-68	(1) 66.3	12.4	5001 5001
6N/05E-22C02M	23.0	10-06-67 3-06-68	102.7 83.1	-79.7 -60.1	5001 5001	6N/07E-08R01M	105.0	10-10-67 3-13-68	104.2 100.0	0.8 5.0	5050 5050
6N/05E-25B01M	35.2	10-06-67 3-06-68	(1) 73.5	-38.3	5001 5001	6N/07E-11A02M	116.0	10-09-67 3-06-68 8-09-68	94.9 94.2 (1)	21.1 21.8	5001 5001 5050
6N/05E-28F01M	17.5	10-05-67 3-06-68	81.2 67.2	-63.7 -49.7	5001 5001	6N/07E-14A01M	110.0	10-09-67 3-06-68	95.3 92.1	14.7 17.9	5001 5001
6N/05E-31A01M	14.6	10-05-67 3-05-68	48.5 40.0	-33.9 -25.4	5001 5001	6N/07E-15K01M	107.0	10-09-67 3-06-68	104.9 101.5	2.1 5.5	5001 5001
6N/05E-32J01M	13.0	10-05-67 3-05-68	56.5 48.5	-43.5 -35.5	5001 5001	6N/07E-19A01M	71.0	10-10-67 3-13-68	76.4 69.9	-5.4 1.1	5050 5050
6N/05E-34C02M	21.5	10-05-67 3-06-68	83.0 72.7	-61.5 -51.2	5001 5001	6N/07E-20P02M	77.0	10-09-67	89.6	-12.6	5001
6N/06E-01G01M	76.5	10-10-67 3-08-68	68.5 60.6	8.0 15.9	5001 5001	6N/07E-20P03M	77.0	3-06-68	83.8	-6.8	5001
6N/06E-05J01M	54.5	10-10-67 3-07-68	86.0 75.3	-31.5 -20.8	5001 5001	6N/07E-25P02M	98.5	10-09-67 3-06-68	(4) 97.9 92.1	0.6 6.4	5001 5001
6N/06E-07A01M	50.0	10-24-67 3-15-68	96.7 86.5	-46.7 -36.5	4202 4202	6N/07E-28E01M	74.5	10-25-67 11-28-67 12-27-67 1-26-68 2-27-68 3-06-68 3-22-68 4-26-68 5-27-68 6-26-68 7-26-68 8-26-68 9-25-68	82.0 79.2 77.6 76.2 75.4 75.3 74.9 80.2 82.0 83.7 87.5 85.7 86.2	-7.5 -4.7 -3.1 -1.7 -0.9 -0.8 -0.4 -5.7 -7.5 -9.2 -13.0 -11.2 -11.7	5050 5050 5050 5050 5001 5050 5050 5050 5050 5050 5050 5050
6N/06E-07M01M	42.0	10-10-67 3-07-68	103.6 91.7	-61.6 -49.7	5001 5001	6N/07E-32P01M	69.0	10-10-67 3-13-68	81.4 73.1	-12.4 -4.1	5050 5050
6N/06E-08M01M	50.5	10-10-67 3-07-68	(1) 85.2	-34.7	5001 5001	6N/07E-33D02M	75.5	10-06-67	(4)		5001
6N/06E-11J03M	65.0	10-10-67 3-08-68	62.2 56.7	2.8 8.3	5001 5001	6N/07E-34H01M	86.0	10-10-67 3-13-68	86.1 82.3	-0.1 3.7	5050 5050
6N/06E-13R01M	62.0	10-10-67 3-08-68	(1) 66.0	-4.0	5001 5001	6N/08E-15J01M	214.0	10-16-67 3-07-68	125.6 125.2	88.4 88.8	5108 5108
6N/06E-16E01M	50.5	10-11-67 3-07-68	56.3 51.1	-5.8 -0.6	5001 5001	6N/08E-21P02M	155.0	10-10-67 3-28-68	124.4 125.2	30.6 29.8	5050 5050
6N/06E-18F01M	43.5	10-06-67 3-06-68	(1) 91.7	-48.2	5001 5001	6N/08E-30B01M	134.3	1-22-68 3-28-68	113.5 112.8	20.8 21.5	5050 5050
6N/06E-18G01M	44.9	10-11-67 3-11-68	77.0 68.6	-32.1 -23.7	5050 5050	7N/04E-11K01M	17.3	10-09-67 3-04-68	8.3 7.8	9.0 9.5	5108 5108
6N/06E-20D01M	45.0	10-06-67 3-06-68	(4) 66.3 (1)	-21.3	5001 5001	7N/05E-01H02M	45.0	10-25-67 11-27-67 12-27-67 1-26-68 2-26-68 3-21-68 4-25-68 5-27-68 6-26-68 7-26-68 8-27-68 9-24-68	84.1 84.3 83.0 82.3 81.5 81.5 81.8 82.5 83.6 84.6 85.4 85.6	-39.1 -39.3 -38.0 -37.3 -36.5 -36.5 -36.8 -37.5 -38.6 -39.6 -40.4 -40.6	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
6N/06E-20P01M	39.0	10-06-67 3-08-68	49.0 43.3	-10.0 -4.3	5001 5001	7N/05E-01J01M	44.0	10-24-67 3-15-68	87.1 84.3	-43.1 -40.3	4202 4202
6N/06E-22C01M	50.0	10-10-67 3-13-68	47.6 45.6	2.4 4.4	5050 5050	7N/05E-04Q01M	21.4	10-11-67 3-11-68	60.8 57.9	-39.4 -36.5	5050 5050
6N/06E-23C01M	52.0	10-10-67 3-06-68	(1) 58.4	-6.4	5001 5001	7N/05E-05K02M	16.0	10-24-67 3-15-68	51.9 49.6	-35.9 -33.6	4202 4202
6N/06E-24G01M	56.0	10-10-67 3-08-68	66.6 60.5	-10.6 -4.5	5001 5001	7N/05E-10F01M	27.0	10-04-67 3-04-68	70.2 68.6	-43.2 -41.6	5001 5001
6N/06E-25Q01M	60.0	10-09-67 3-06-68	74.9 65.0	-14.9 -5.0	5001 5001	7N/05E-10M01M	26.5	10-11-67 3-11-68	68.8 66.9	-42.3 -40.4	5050 5050
6N/06E-26D02M	47.0	10-10-67 3-13-68	51.3 50.0	-4.3 -3.0	5050 5050	7N/05E-12R02M	42.5	10-10-67 3-04-68	89.2 85.5	-46.7 -43.0	5108 5108
6N/06E-28C02M	40.0	10-10-67 3-13-68	49.1 45.0	-9.1 -5.0	5050 5050	7N/05E-15H01M	28.0	10-10-67 3-04-68	79.7 76.5	-51.7 -48.5	5108 5108
6N/06E-29K01M	33.0	10-10-67 3-13-68	41.9 37.2	-8.9 -4.2	5050 5050	7N/05E-18C01M	12.0	10-09-67 3-04-68	31.2 27.4	-19.2 -15.4	5108 5108
6N/06E-30N01M	32.0	10-06-67 3-06-68	57.3 51.3	-25.3 -19.3	5001 5001	7N/05E-24H01M	39.0	10-24-67 3-15-68	89.8 86.2	-50.8 -47.2	4202 4202
6N/06E-33J02M	45.8	10-25-67 11-27-67 12-27-67 1-26-68 2-26-68 3-21-68 4-26-68 5-27-68 6-26-68 7-26-68 8-27-68 9-25-68	58.1 56.9 56.2 55.8 55.4 54.8 58.1 60.6 60.6 61.4 62.0 (4) 64.6	-12.3 -11.1 -10.4 -10.0 -9.6 -9.0 -12.3 -14.8 -14.8 -15.6 -16.2 -18.8	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050						
6N/06E-33L01M	35.6	10-11-67 3-11-68	55.9 44.9	-20.3 -9.3	5050 5050						
6N/06E-33Q01M	35.7	10-09-67 3-06-68	(4) 47.7	-12.0	5001 5001						



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08						SACRAMENTO COUNTY 5-21.08					
7N/05E-26C01M	28.6	10-11-67 3-11-68	65.6 61.1	-37.0 -32.5	5050 5050	7N/07E-07N01M	100.0	10-11-67 10-25-67 11-28-67 12-27-67	(3) DRY DRY 77.6		5001 5050 5050 5050
7N/05E-26P02M	30.0	10-10-67 11-03-67 3-04-68	(1) (4) 88.0 80.8	-58.0 -50.8	5108 5050 5108			1-26-68 2-27-68 3-07-68 3-22-68 4-26-68 5-27-68 6-26-68 7-26-68 8-26-68 9-25-68	22.4 24.0 24.5 23.2 25.0		5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
7N/05E-28E01M	22.5	10-09-67 3-04-68	70.3 66.2	-47.8 -43.7	5108 5108						
7N/05E-28P01M	24.0	10-24-67 3-15-68	76.2 71.8	-52.2 -47.8	4202 4202						
7N/05E-29O01M	17.0	10-09-67 11-03-67 3-04-68	(1) (1) 48.9		5108 5050 5108	7N/07E-07N02M	100.5	10-11-67 3-07-68	85.7 77.0	14.8 23.5	5001 5001
7N/05E-32K01M	19.5	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	62.1 61.7 61.4 61.0 60.5 60.1 60.3 60.7 61.4 62.4 63.2 63.7	-42.6 -42.2 -41.9 -41.5 -41.0 -40.6 -40.8 -41.2 -41.9 -42.9 -43.7 -44.2	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	7N/07E-10K01M	98.0	10-11-67 3-07-68	47.1 44.6	50.9 53.4	5001 5001
7N/05E-34L01M	29.0	11-03-67 3-04-68	98.5 87.8	-69.5 -58.8	5108 5108	7N/07E-14L01M	127.6	10-09-67 3-07-68	85.5 82.0	42.1 45.6	5001 5001
7N/05E-36A01M	38.5	10-10-67 11-03-67 3-04-68	(1) (1) 87.1		5108 5050 5108	7N/07E-14L02M	126.0	10-09-67 3-08-68	83.9 80.9	42.1 45.1	5001 5001
7N/06E-08H01M	58.5	10-11-67 3-05-68	90.6 86.5	-32.1 -28.0	5108 5108	7N/07E-17G02M	101.5	10-11-67 3-07-68	(4) 74.8 65.6	26.7 35.9	5001 5001
7N/06E-09J01M	69.0	10-11-67 3-05-68	85.0 84.5	-16.0 -15.5	5108 5108	7N/07E-17N01M	81.4	10-11-67 3-07-68	(4) (4)		5001 5001
7N/06E-10M01M	82.0	10-18-67 3-15-68	100.6 98.2	-18.6 -16.2	4202 4202	7N/07E-20C01M	81.0	10-11-67 3-07-68	48.6 42.2	32.4 38.8	5001 5001
7N/06E-12A01M	115.0	10-11-67 11-03-67 3-06-68	(1) 88.8 101.7		5108 5050 5108	7N/07E-20H01M	80.5	10-11-67 3-07-68	51.2 44.6	29.3 35.9	5001 5001
7N/06E-14Q01M	90.0	10-11-67 3-06-68	95.6 87.2	-5.6 2.8	5108 5108	7N/07E-22E01M	109.6	10-10-67 3-08-68	80.1 75.0	29.5 34.6	5001 5001
7N/06E-15N01M	64.0	10-11-67 3-05-68	80.1 83.5	-16.1 -19.5	5108 5108	7N/07E-24K01M	131.0	10-09-67 3-07-68	(3) DRY		5001 5001
7N/06E-20J01M	57.0	11-03-67 3-05-68	89.0 85.0	-32.0 -28.0	5108 5108	7N/07E-24K02M	130.0	10-09-67 3-07-68	87.5 87.6	42.5 42.4	5001 5001
7N/06E-22C02M	60.0	10-18-67 3-15-68	81.0 77.0	-21.0 -17.0	4202 4202	7N/07E-27B01M	107.0	10-09-67 3-07-68	(1) 79.9		5001 5001
7N/06E-22R02M	70.0	10-11-67 3-05-68	79.5 74.0	-9.5 -4.0	5108 5108	7N/07E-27P01M	100.0	10-09-67 3-07-68	77.3 73.9	22.7 26.1	5001 5001
7N/06E-23P01M	77.0	6-26-68 7-26-68 8-26-68 9-25-68	83.9 85.6 86.2 86.1	-6.9 -8.6 -9.2 -9.1	5050 5050 5050 5050	7N/07E-29B01M	85.0	10-10-67 3-08-68	54.0 46.7	31.0 38.3	5001 5001
7N/06E-25B01M	84.0	10-11-67 3-07-68	(7) 64.9		5001 5001	7N/07E-29B02M	85.0	10-10-67 3-08-68	(1) 62.0	23.0	5001 5001
7N/06E-28N01M	59.0	10-24-67 3-15-68	91.7 84.2	-32.7 -25.2	4202 4202	7N/07E-31F01M	85.1	10-10-67 3-08-68	68.4 65.0	16.7 20.1	5001 5001
7N/06E-32P01M	50.5	10-11-67 11-03-67 3-06-68	(7) 93.5 87.0		5108 5050 5108	7N/07E-32A01M	75.0	10-10-67 3-07-68	43.3 41.0	31.7 34.0	5001 5001
7N/06E-33J01M	63.0	10-10-67 3-13-68	73.7 67.2	-10.7 -4.2	5050 5050	7N/07E-34D01M	97.4	10-09-67 3-07-68	81.9 75.7	15.5 21.7	5001 5001
7N/06E-34H01M	70.6	10-10-67 3-07-68	52.9 53.3	17.7 17.3	5001 5001	7N/07E-35K01M	156.0	10-09-67 3-06-68	129.6 128.5	26.4 27.5	5001 5001
7N/06E-35Q01M	62.1	10-10-67 3-08-68	35.6 36.4	26.5 25.7	5001 5001	7N/08E-02L01M	198.0	10-16-67 3-07-68	17.0 11.0	181.0 187.0	5108 5108
7N/06E-35R01M	66.3	10-10-67 3-08-68	(4) 41.8		5001 5001	7N/08E-06N01M	117.5	10-10-67 3-07-68	29.0 27.5	88.5 90.0	5001 5001
7N/06E-36N01M	81.4	10-10-67 3-08-68	60.7 58.7	20.7 22.7	5001 5001	7N/08E-13A01M	260.0	10-16-67 3-07-68	14.0 13.5	246.0 246.5	5108 5108
7N/07E-02C01M	102.5	10-10-67 3-07-68	36.4 35.2	66.1 67.3	5001 5001	7N/08E-16E01M	248.8	1-23-68 3-13-68	136.0 135.5	112.8 113.3	5050 5050
7N/07E-03B01M	100.0	10-11-67 3-07-68	40.1 39.3	59.9 60.7	5001 5001	7N/08E-18F01M	140.0	1-23-68 3-13-68	79.6 79.6	60.4 60.4	5050 5050
7N/07E-04J01M	133.5	10-11-67 3-07-68	81.3 81.0	52.2 52.5	5001 5001	7N/08E-26H01M	190.0	10-16-67 3-07-68	16.1 16.5	173.9 173.5	5108 5108
7N/07E-04P01M	174.1	10-11-67 3-07-68	129.3 125.1	44.8 49.0	5001 5001	7N/08E-36B01M	185.0	10-16-67 3-07-68	8.7 8.5	176.3 176.5	5108 5108
						8N/04E-01G01M	18.3	10-09-67 3-12-68	(1) (1)		5050 5050
						8N/04E-11P01M	17.0	10-09-67 3-04-68	18.0 5.5	-1.0 11.5	5108 5108
						8N/04E-13K01M	23.0	10-09-67 3-04-68	26.9 28.0	-3.9 -5.0	5108 5108



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA		
SACRAMENTO COUNTY 5-21.08						SACRAMENTO COUNTY 5-21.08							
8N/04E-24M01M	25.0	10-25-67	33.3	-8.3	5050	8N/06E-15P01M	72.1	7-26-68	63.6	8.5	5050		
		11-30-67	34.4	-9.4	5050	(Continued)		8-26-68	63.1	9.0	5050		
		12-29-67	34.5	-9.5	5050			9-25-68	62.9	9.2	5050		
		1-30-68	34.1	-9.1	5050	8N/06E-20R01M	57.4	10-13-67	(9)		5108		
		2-28-68	33.4	-8.4	5050			3-07-68	62.6	-5.2	5108		
		3-25-68	32.5	-7.5	5050	8N/06E-21N02M	65.0	10-10-67	70.8	-5.8	5050		
		4-25-68	33.1	-8.1	5050			10-24-67	73.0	-8.0	4202		
		5-27-68	33.8	-8.8	5050			3-13-68	65.4	-0.4	5050		
		6-26-68	34.4	-9.4	5050			3-15-68	65.4	-0.4	4202		
		7-26-68	34.9	-9.9	5050	8N/06E-25J02M	141.0	10-11-67	116.2	24.8	5050		
		8-30-68	35.3	-10.3	5050			3-08-68	115.4	25.6	5050		
		9-27-68	35.5	-10.5	5050	8N/06E-26K01M	123.0	10-13-67	118.0	5.0	5108		
8N/04E-33N01M	7.0	10-09-67	6.0	1.0	5108			3-07-68	103.2	19.8	5108		
		3-04-68	0.2	6.8	5108	8N/06E-27H02M	93.7	10-13-67	89.5	4.2	5108		
8N/04E-36L01M	5.0	10-09-67	22.5	-17.5	5108			3-07-68	78.0	15.7	5108		
		3-04-68	21.7	-16.7	5108	8N/06E-27N01M	79.0	10-13-67	90.2	-11.2	5108		
8N/05E-02P01M	39.0	10-18-67	32.3	6.7	5108			3-06-68	79.3	-0.3	5108		
		3-11-68	31.3	7.7	5108	8N/06E-30C01M	50.0	10-11-67	74.1	-24.1	5108		
8N/05E-03B01M	30.0	10-18-67	37.6	-7.6	5108			3-06-68	68.9	-18.9	5108		
		3-11-68	30.2	-0.2	5108	8N/06E-31F01M	51.0	10-13-67	83.0	-32.0	5108		
8N/05E-06H01M	22.2	3-13-68	20.8	1.4	5050			3-06-68	79.2	-28.2	5108		
8N/05E-07P01M	24.3	10-11-67	29.7	-5.4	5050	8N/06E-33N01M	64.7	10-13-67	88.7	-24.0	5108		
		3-14-68	29.4	-5.1	5050			3-06-68	84.4	-19.7	5108		
8N/05E-12Q01M	44.5	11-03-67	44.8	-0.3	5108	8N/06E-34R01M	106.4	10-13-67	(1)		5108		
		3-05-68	42.0	2.5	5108			3-06-68	103.8	2.6	5108		
8N/05E-13E01M	45.0	4-05-67	(6)		5050	8N/07E-02N01M	257.6	10-16-67	138.0	119.6	5108		
8N/05E-14J01M	45.0	10-11-67	55.0	-10.0	5108			3-08-68	137.2	120.4	5108		
		3-05-68	52.0	-7.0	5108	8N/07E-09N01M	189.6	10-16-67	116.6	73.0	5108		
8N/05E-15E01M	37.0	10-25-67	45.6	-8.6	5050			3-08-68 (6)	62.5	127.1	5108		
		11-28-67	45.5	-8.5	5050	8N/07E-14C01M	254.2	10-16-67	146.3	107.9	5108		
		12-27-67	45.2	-8.2	5050			3-08-68 (6)	79.4	174.8	5108		
		1-30-68	45.0	-8.0	5050	8N/07E-18E01M	125.5	10-11-67 (4)	100.5	25.0	5050		
		2-28-68	44.9	-7.9	5050			3-08-68	98.7	26.8	5050		
		3-22-68	44.8	-7.8	5050	8N/07E-31J01M	115.4	10-13-67	73.4	42.0	5108		
		4-26-68	44.7	-7.7	5050			3-07-68	69.5	45.9	5108		
		5-27-68	45.1	-8.1	5050	8N/07E-33E01M	145.3	10-13-67	92.8	52.5	5108		
		6-26-68	45.7	-8.7	5050			3-07-68	93.2	52.1	5108		
		7-26-68	46.3	-9.3	5050	9N/03E-02D01M	23.0	10-23-67	14.3	8.7	5108		
		8-29-68	46.5	-9.5	5050			3-14-68	9.3	13.7	5108		
		9-25-68	46.7	-9.7	5050	9N/04E-01R01M	19.5	10-20-67	19.5	0.0	5108		
8N/05E-18K01M	19.9	10-11-67	29.3	-9.4	5050			3-14-68	19.0	0.5	5108		
		3-11-68	30.2	-10.3	5050	9N/04E-08L01M	24.0	10-20-67	13.0	11.0	5108		
8N/05E-18Q01M	24.7	10-11-67	36.7	-12.0	5050			3-14-68	10.2	13.8	5108		
		3-11-68	37.1	-12.4	5050	9N/04E-09B01M	20.0	10-20-67	11.7	8.3	5108		
8N/05E-21H02M	39.5	10-10-67	58.0	-18.5	5108			3-14-68	19.0	1.0	5108		
		3-05-68	56.0	-16.5	5108	9N/04E-11E01M	21.0	10-10-67	19.9	1.1	5050		
8N/05E-24M02M	44.0	10-11-67	66.2	-22.2	5108			3-08-68	(9)		5050		
		3-05-68	63.6	-19.6	5108	9N/04E-22E01M	12.0	10-25-67	6.0	6.0	5050		
8N/05E-30A01M	27.3	10-13-67	52.2	-24.9	5050			11-28-67	6.3	5.7	5050		
		3-11-68	49.8	-22.5	5050			12-27-67	6.3	5.7	5050		
8N/05E-31E01M	18.0	10-09-67	38.6	-20.6	5108			1-29-68	5.7	6.3	5050		
		3-04-68	37.5	-19.5	5108			2-27-68	4.5	7.5	5050		
8N/05E-32R01M	21.7	10-11-67	59.5	-37.8	5050			3-22-68	2.9	9.1	5050		
		3-11-68	54.1	-32.4	5050			4-26-68	3.9	8.1	5050		
8N/05E-33J01M	26.0	10-09-67	65.5	-39.5	5050			5-27-68	6.1	5.9	5050		
		3-13-68	(9)		5050			6-26-68	7.9	4.1	5050		
		3-28-68	61.9	-35.9	5050			7-26-68	6.3	5.7	5050		
8N/05E-34C01M	30.5	10-10-67	66.5	-36.0	5108			8-29-68	8.0	4.0	5050		
		3-04-68	(4)		5108			9-26-68	7.7	4.3	5050		
8N/06E-05P01M	58.0	10-17-67	47.5	10.5	5108	9N/04E-23R01M	15.0	10-20-67	13.6	1.4	5108		
		3-08-68	43.7	14.3	5108			3-13-68	8.6	6.4	5108		
8N/06E-06E03M	65.0	10-05-67	69.0	-4.0	4400	9N/04E-27F01M	24.0	11-03-67	22.8	1.2	5108		
		3-05-68	62.0	3.0	4400			3-13-68	15.5	8.5	5108		
8N/06E-06F01M	60.0	10-05-67	65.0	-5.0	4400	9N/04E-36D01M	21.6	10-20-67	18.1	3.5	5108		
		3-05-68	60.0	0.0	4400			3-13-68	11.1	10.5	5108		
8N/06E-08F01M	57.8	10-09-67	49.5	8.3	5050	9N/05E-07D01M	20.0	10-20-67	20.3	-0.3	5108		
		3-13-68	46.1	11.7	5050			3-14-68	18.8	1.2	5108		
8N/06E-09Q02M	75.7	10-17-67	63.8	11.9	5108	9N/05E-08J01M	35.0	10-10-67	41.1	-6.1	5050		
		3-08-68	60.8	14.9	5108			10-11-67	(0)		5050		
8N/06E-11B01M	90.1	10-17-67	73.0	17.1	5108	9N/05E-08J02M	33.0	10-10-67	38.1	-5.1	5050		
		3-08-68	66.8	23.3	5108			3-08-68	37.4	-4.4	5050		
8N/06E-15P01M	72.1	10-17-67	63.5	8.6	5108	9N/05E-10G01M	57.0	10-20-67	(6)		5108		
		10-25-67	60.0	12.1	5050			9N/05E-13G03M	80.0	10-05-67	98.0		
		11-28-67	57.7	14.4	5050				3-05-68	88.0	-8.0	4400	
		12-27-67	56.8	15.3	5050			9N/05E-13J01M	80.0	3-05-68	82.0	-2.0	4400
		1-26-68	56.2	15.9	5050								
		2-27-68	55.9	16.2	5050								
		3-08-68	55.8	16.3	5108								
		3-22-68	55.7	16.4	5050								
		4-26-68	58.6	13.5	5050								
		5-27-68	59.6	12.5	5050								
		6-26-68	62.7	9.4	5050								



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08						SACRAMENTO COUNTY 5-21.08					
9N/05E-13L02M	72.0	10-05-67 3-05-68	79.0 74.0	-7.0 -2.0	4400 4400	9N/06E-09P01M	135.5	10-18-67 3-12-68	116.5 110.3	19.0 25.2	5108 5108
9N/05E-14H03M	64.0	10-10-67 3-11-68	77.7 71.1	-13.7 -7.1	5050 5050	9N/06E-12Q01M	205.5	10-19-67 3-12-68	24.0 26.7	181.5 178.8	5108 5108
9N/05E-14K02M	66.0	10-05-67 3-05-68	85.0 (7)	-19.0	4400 4400	9N/06E-17G01M	120.0	10-18-67 3-12-68	113.2 105.7	6.8 14.3	5108 5108
9N/05E-15A01M	60.0	2-08-68 3-08-68	70.8 70.2	-10.8 -10.2	5500 5500	9N/06E-19E01M	78.0	10-05-67 3-05-68	99.0 85.0	-21.0 -7.0	4400 4400
9N/05E-18R01M	31.0	10-20-67 3-13-68	32.1 29.9	-1.1 1.1	5108 5108	9N/06E-19K01M	86.0	10-05-67 3-05-68	97.0 87.0	-11.0 -1.0	4400 4400
9N/05E-21M01M	34.0	10-25-67 11-28-67 12-27-67 1-26-68 2-27-68 3-25-68 4-29-68 5-27-68 6-26-68 7-26-68 8-30-68 9-26-68	44.5 44.1 44.0 43.0 42.5 42.1 43.0 43.8 45.3 46.5 48.9 47.9	-10.5 -10.1 -10.0 -9.0 -8.5 -8.1 -9.0 -9.8 -11.3 -12.5 -14.9 -13.9	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	9N/06E-19R01M	81.0	3-05-68	(7)		4400
9N/05E-22A01M	52.0	10-05-67 3-05-68	69.0 65.0	-17.0 -13.0	4400 4400	9N/06E-20D01M	78.0	10-05-67 3-05-68	86.0 76.0	-8.0 2.0	4400 4400
9N/05E-22G02M	51.0	10-10-67 3-11-68	70.0 65.8	-19.0 -14.8	5050 5050	9N/06E-20N02M	92.0	10-05-67 3-05-68	88.0 79.0	4.0 13.0	4400 4400
9N/05E-22L01M	51.0	10-05-67 3-05-68	74.0 71.0	-23.0 -20.0	4400 4400	9N/06E-24K02M	113.0	10-17-67 3-08-68	56.0 53.0	57.0 60.0	5108 5108
9N/05E-23A01M	65.0	3-05-68	72.0	-7.0	4400	9N/06E-26C01M	96.3	10-16-67 3-08-68	45.8 45.4	50.5 50.9	5108 5108
9N/05E-23P01M	59.0	3-05-68	73.0	-14.0	4400	9N/06E-27O01M	71.0	10-18-67 3-12-68	37.0 34.6	34.0 36.4	5108 5108
9N/05E-23H01M	63.0	3-05-68	72.0	-9.0	4400	9N/06E-28K01M	113.1	10-18-67 3-11-68	75.3 74.0	37.8 39.1	5108 5108
9N/05E-23L01M	60.0	3-05-68	74.0	-14.0	4400	9N/06E-30C01M	75.0	3-05-68	72.0	3.0	4400
9N/05E-23L02M	57.0	3-05-68	70.0	-13.0	4400	9N/06E-30J01M	81.5	7-09-68 7-26-68 8-29-68 9-25-68	84.3 86.3 85.8 88.2	-2.8 -4.8 -4.3 -6.7	5050 5050 5050 5050
9N/05E-24A03M	72.0	10-05-67 3-05-68	90.0 79.0	-18.0 -7.0	4400 4400	9N/06E-30N01M	66.0	3-05-68	74.0	-8.0	4400
9N/05E-25C01M	68.0	10-05-67 3-05-68	85.0 78.0	-17.0 -10.0	4400 4400	9N/06E-30Q01M	82.0	3-05-68	82.0	0.0	4400
9N/05E-25E02M	45.0	10-05-67 3-05-68	67.0 58.0	-22.0 -13.0	4400 4400	9N/06E-31J01M	71.2	10-05-67 3-05-68	75.0 68.0	-3.8 3.2	4400 4400
9N/05E-25Q01M	63.3	10-18-67 10-25-67 11-28-67 12-27-67 1-26-68 2-27-68	71.0 70.4 68.9 67.8 67.0 (6)	-7.7 -7.1 -5.6 -4.5 -3.7	5108 5050 5050 5050 5050 5050	9N/06E-32D02M	90.0	10-05-67 3-05-68	102.0 93.0	-12.0 -3.0	4400 4400
9N/05E-26D01M	52.0	3-05-68	70.0	-18.0	4400	9N/06E-32L01M	52.6	10-18-67 3-11-68	46.6 40.8	6.0 11.8	5108 5108
9N/05E-26E01M	42.0	10-05-67 3-05-68	63.0 57.0	-21.0 -15.0	4400 4400	9N/06E-33E01M	60.0	10-05-67 3-05-68	54.0 48.0	6.0 12.0	4400 4400
9N/05E-26G02M	58.0	10-05-67 3-05-68	80.0 75.0	-22.0 -17.0	4400 4400	9N/06E-33R01M	73.2	11-03-67 3-08-68	43.0 39.0	30.2 34.2	5108 5108
9N/05E-26Q01M	40.0	10-05-67 3-05-68	58.0 51.0	-18.0 -11.0	4400 4400	9N/06E-34R01M	96.3	10-13-67 3-08-68	64.3 61.3	32.0 35.0	5050 5050
9N/05E-27Q01M	44.0	10-16-67 3-13-68	54.2 51.4	-10.2 -7.4	5050 5050	9N/06E-36J01M	115.4	10-17-67 3-11-68	66.5 63.4	48.9 52.0	5108 5108
9N/05E-28B01M	40.0	10-18-67 3-12-68	53.0 51.0	-13.0 -11.0	5108 5108	9N/07E-07F01M	204.2	10-19-67 3-12-68	151.7 149.3	52.5 54.9	5108 5108
9N/05E-28H01M	37.6	10-11-67 3-11-68	49.2 45.6	-11.6 -8.0	5050 5050	9N/07E-09A01M	192.0	10-19-67 3-12-68	72.4 72.1	119.6 119.9	5108 5108
9N/05E-28K01M	32.9	3-13-68	39.1	-6.2	5050	9N/07E-12L01M	290.0	10-17-67 3-11-68	47.0 47.0	243.0 243.0	5108 5108
9N/05E-28N01M	40.0	10-11-67 3-11-68	39.1 38.2	0.9 1.8	5050 5050	9N/07E-16Q01M	144.5	10-17-67 3-11-68	28.5 27.5	116.0 117.0	5108 5108
9N/05E-29L02M	30.0	10-18-67 3-12-68	37.8 33.7	-7.8 -3.7	5108 5108	9N/07E-27Q01M	224.1	10-17-67 3-11-68	38.5 38.0	185.6 186.1	5108 5108
9N/05E-30B01M	22.0	10-20-67 3-13-68	27.8 23.2	-5.8 -1.2	5050 5050	9N/07E-31G01M	133.3	10-11-67 3-08-68	59.7 60.0	73.6 73.3	5050 5050
9N/05E-35Q01M	49.0	10-05-67 3-05-68	60.0 56.0	-11.0 -7.0	4400 4400	10N/03E-35A01M	18.9	10-23-67 3-14-68	6.9 1.3	12.0 17.6	5108 5108
9N/06E-02P01M	160.0	10-19-67 3-12-68	124.9 120.0	35.1 40.0	5108 5108	10N/04E-13P01M	25.0	11-03-67 (2) 3-14-68	47.6 18.2	-22.6 6.8	5050 5108
9N/06E-05M01M	112.0	10-20-67 3-13-68	100.4 99.8	11.6 12.2	5108 5108	10N/04E-15F01M	14.0	10-23-67 3-14-68 3-25-68	3.8 (9) 1.9	10.2 5108 5050	
9N/06E-07N01M	69.0	10-05-67 3-05-68	80.0 72.0	-11.0 -3.0	4400 4400	10N/04E-18A01M	23.0	10-23-67 3-14-68	8.0 5.3	15.0 17.7	5108 5108
						10N/04E-19P01M	21.0	10-23-67 3-14-68	7.1 4.8	13.9 16.2	5108 5108
						10N/04E-21B02M	16.0	11-03-67 3-14-68	5.8 2.6	10.2 13.4	5108 5108
						10N/04E-23A01M	15.0	10-23-67 3-14-68	9.7 8.1	5.3 6.9	5108 5108



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SACRAMENTO COUNTY 5-21.08						SACRAMENTO COUNTY 5-21.08					
10N/04E-24B01M	22.0	10-23-67 3-14-68	(1) 19.6	2.4	5108 5108	10N/06E-33K01M (Continued)	120.0	3-22-68 4-26-68 5-27-68 6-26-68 7-26-68 8-29-68 9-25-68	97.6 101.8 105.5 112.9 114.1 111.4 110.4	22.4 18.2 14.5 7.1 5.9 8.6 9.6	5050 5050 5050 5050 5050 5050 5050
10N/04E-31A01M	15.0	10-23-67 3-14-68	6.0 4.0	9.0 11.0	5108 5108	10N/07E-20D01M	210.0	10-19-67 3-13-68	117.1 119.0	92.9 91.0	5108 5108
10N/04E-34A02M	25.0	10-25-67 11-28-67 12-27-67 1-26-68 2-27-68 3-22-68 4-26-68 5-27-68 6-26-68 7-26-68 8-29-68 9-25-68	12.5 14.1 14.8 15.2 12.6 11.6 12.7 7.4 8.3 7.6 6.6 8.9	12.5 10.9 10.2 9.8 12.4 13.4 12.3 17.6 16.7 17.4 18.4 16.1	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	10N/07E-21H01M	230.0	10-11-67 3-08-68	9.2 7.6	220.8 222.4	5050 5050
10N/04E-36B01M	37.0	10-18-67 3-08-68	30.5 29.6	6.5 7.4	5050 5050	10N/07E-28C01M	210.2	10-19-67 3-13-68	102.2 101.2	108.0 109.0	5108 5108
10N/05E-07M03M	34.8	10-23-67 3-15-68	61.2 57.2	-26.4 -22.4	5108 5108	10N/07E-29G01M	216.0	10-19-67 3-13-68	109.0 109.2	107.0 106.8	5108 5108
10N/05E-14Q01M	86.0	10-24-67 3-15-68	79.2 76.4	6.8 9.6	5108 5108	10N/07E-32N01M	215.0	10-19-67 3-12-68	153.5 153.4	61.5 61.6	5108 5108
10N/05E-15P01M	67.5	10-24-67 10-25-67 11-28-67 12-27-67 1-26-68 2-27-68 3-15-68 3-22-68 4-26-68 5-27-68 6-26-68 7-26-68 8-29-68 9-25-68	68.8 68.5 67.7 67.0 66.3 65.8 65.8 65.4 66.0 66.9 68.5 69.4 70.1 70.8	-1.3 -1.0 -0.2 0.5 1.2 1.7 1.7 2.1 1.5 0.6 -1.0 -1.9 -2.6 -3.3	5108 5050 5050 5050 5050 5050 5108 5050 5050 5050 5050 5050 5050 5050	YOLO COUNTY 5-21.09					
10N/05E-17N02M	51.0	10-24-67 3-15-68	55.8 53.0	-4.8 -2.0	5108 5108	6N/03E-12R01M	2.5	10-10-67 3-19-68	5.2 3.9	-2.7 -1.4	5104 5104
10N/05E-25H01M	100.0	10-05-67 3-05-68	104.0 100.0	-4.0 0.0	4400 4400	6N/03E-15B01M	4.0	10-10-67 3-19-68	4.1 2.2	-0.1 1.8	5104 5104
10N/05E-26B01M	81.0	10-24-67 3-15-68	DRY DRY		5108 5108	6N/03E-23P01M	4.9	10-10-67 3-19-68	1.5 0.7	3.4 4.2	5104 5104
10N/05E-26B02M	81.0	10-24-67 3-15-68	77.7 73.1	3.3 7.9	5108 5108	7N/03E-04Q01M	19.0	10-28-67 4-13-68	29.9 30.0	-10.9 -11.0	5104 5104
10N/05E-30L01M	36.0	10-23-67 3-14-68	35.4 32.7	0.6 3.3	5108 5108	7N/03E-08J01M	17.0	10-09-67 3-12-68	33.9 28.9	-16.9 -11.9	5050 5050
10N/05E-32Q02M	39.0	10-10-67 3-08-68	39.9 38.1	-0.9 0.9	5050 5050	7N/03E-17F01M	16.0	10-09-67 3-12-68	25.8 24.7	-9.8 -8.7	5050 5050
10N/05E-34M01M	47.0	10-23-67 3-14-68	49.8 50.5	-2.8 -3.5	5108 5108	7N/03E-19N01M	21.0	10-24-67 3-05-68 9-10-68	39.9 29.8 (1)	-18.9 -8.8	5001 5001 5050
10N/05E-36B01M	90.0	10-05-67 3-05-68	94.0 89.0	-4.0 1.0	4400 4400	7N/03E-30Q01M	17.0	10-24-67 3-05-68 9-10-68	14.4 15.6 14.8	2.6 1.4 2.2	5001 5001 5050
10N/05E-36J01M	105.0	10-05-67 3-05-68	109.0 100.0	-4.0 5.0	4400 4400	8N/01E-01J02M	65.0	10-28-67 4-13-68	56.8 45.1	8.2 19.9	5104 5104
10N/05E-36K01M	92.0	10-05-67 3-05-68	104.0 96.0	-12.0 -4.0	4400 4400	8N/01E-02B01M	78.0	10-18-67 3-12-68 9-12-68	33.5 27.3 (1)	44.5 50.7	5001 5001 5050
10N/05E-36Q02M	86.0	10-05-67 3-05-68	90.0 85.0	-4.0 1.0	4400 4400	8N/01E-04A01M	97.0	10-18-67 3-12-68 9-12-68	34.7 32.8 36.3	62.3 64.2 60.7	5001 5001 5050
10N/06E-19K01M	150.5	10-24-67 3-15-68	146.5 142.8	4.0 7.7	5108 5108	8N/01E-04Q02M	95.0	10-11-67 4-11-68	(8) 22.7	72.3	5104 5104
10N/06E-21F02M	158.5	10-24-67 3-15-68	137.5 133.9	21.0 24.6	5108 5108	8N/01E-05A01M	115.0	10-18-67 3-06-68 9-12-68	58.0 65.0 75.0	57.0 50.0 40.0	5001 5001 5050
10N/06E-22C01M	170.0	10-24-67 11-03-67 3-15-68 3-27-68	(2) 141.2 (2) 138.3		5108 5050 5108 5050	8N/01E-05C01M	101.0	11-09-67 3-06-68 9-12-68	28.2 21.2 23.9	72.8 79.8 77.1	5001 5001 5050
10N/06E-22N01M	134.7	10-11-67 3-11-68	84.8 83.8	49.9 50.9	5050 5050	8N/01E-07B02M	107.0	10-18-67 11-11-67 3-12-68 4-11-68 9-13-68	33.6 29.4 25.2 23.8 22.5	73.4 77.6 81.8 83.2 84.5	5001 5104 5001 5104 5050
10N/06E-24J01M	185.0	10-19-67 3-13-68	147.4 148.0	37.6 37.0	5108 5108	8N/01E-08M03M	100.0	11-11-67 4-11-68	31.9 25.2	68.1 74.8	5104 5104
10N/06E-25N01M	155.0	10-19-67 3-13-68	115.3 112.7	39.7 42.3	5108 5108	8N/01E-09E01M	97.0	11-11-67 4-11-68	34.3 29.4	62.7 67.6	5104 5104
10N/06E-30L01M	115.0	10-05-67 3-05-68	102.0 96.0	13.0 19.0	4400 4400	8N/01E-09R01M	90.5	10-27-67 11-30-67 12-29-67 1-30-68 2-29-68 3-26-68 4-30-68 5-29-68 6-28-68 7-30-68 8-30-68 9-27-68	42.6 33.1 31.6 31.2 30.8 31.6 46.8 55.0 68.2 62.3 62.8 45.0	47.9 57.4 58.9 59.3 59.7 58.9 43.7 35.5 22.3 28.2 27.7 45.5	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
10N/06E-31L01M	111.0	10-05-67 3-05-68	115.0 105.0	-4.0 6.0	4400 4400	8N/01E-10M01M	91.3	11-01-67 4-13-68	46.9 (1)	44.4	5104 5104
10N/06E-33K01M	120.0	10-25-67 11-28-67 12-27-67 1-26-68 2-27-68 3-13-68	105.0 100.0 99.1 97.9 97.5 97.7	15.0 20.0 20.9 22.1 22.5 22.3	5050 5050 5050 5050 5050 5108	8N/01E-11F01M	78.0	11-04-67 4-13-68	39.4 (1)	38.6	5104 5104
						8N/01E-12D01M	70.0	11-04-67 4-13-68	38.3 34.6	31.7 35.4	5104 5104



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09						YOLO COUNTY 5-21.09					
8N/01E-12R03M	64.0	10-18-67 3-12-68	48.5 44.5	15.5 19.5	5001 5001	8N/03E-20R01M	22.0	10-09-67 3-12-68	27.0 18.2	-5.0 3.8	5050 5050
8N/01E-14P01M	79.0	11-04-67 4-13-68	41.2 35.7	37.8 43.3	5104 5104	8N/03E-28H01M	20.0	10-28-67 4-13-68	16.2 14.9	3.8 5.1	5104 5104
8N/01E-15B01M	85.0	10-27-67 11-01-67 11-30-67 12-29-67 1-30-68 2-29-68 3-26-68 4-13-68 4-30-68 5-29-68 6-28-68 7-30-68 8-30-68 9-27-68	21.4 21.7 22.9 23.8 24.5 24.9 25.2 25.2 24.9 24.2 22.9 23.1 23.7 25.7	63.6 63.3 62.1 61.2 60.5 60.1 59.8 59.8 60.1 60.8 62.1 61.9 61.3 59.3	5050 5104 5050 5050 5050 5050 5104 5050 5050 5050 5050 5050 5050 5050	8N/03E-31N01M	32.0	10-20-67 10-28-67 3-14-68 4-13-68 9-16-68	56.3 65.8 43.3 45.6 74.6	-24.3 -33.8 -11.3 -13.6 -42.6	5001 5104 5001 5104 5050
8N/01E-16B01M	93.5	10-19-67 3-14-68 9-13-68	42.9 33.1 (1)	50.6 60.4	5001 5001 5050	8N/03E-32G01M	21.0	10-09-67 3-12-68	13.7 24.5	7.3 -3.5	5050 5050
8N/01E-16D01M	94.0	11-11-67 4-11-68	39.9 34.7	54.1 59.3	5104 5104	8N/03E-32L01M	25.0	10-09-67 3-12-68	39.8 28.6	-14.8 -3.6	5050 5050
8N/01E-17D01M	102.0	11-11-67 4-11-68	(3) (3)		5104 5104	8N/01W-02K01M	130.0	11-11-67 4-10-68	32.0 31.4	98.0 98.6	5104 5104
8N/01E-17F01M	101.0	10-16-67 3-04-68	36.3 33.0	64.7 68.0	5001 5001	8N/01W-03D03M	163.0	10-18-67 3-12-68 9-16-68	(1) 52.7 60.6		5001 5001 5050
8N/01E-18J02M	104.0	11-11-67 4-10-68	38.6 32.2	65.4 71.8	5104 5104	8N/01W-09C01M	163.0	11-11-67 4-11-68	53.1 53.3	109.9 109.7	5104 5104
8N/02E-01K01M	34.0	10-18-67 3-12-68	50.9 31.7	-16.9 2.3	5001 5001	8N/01W-10A02M	135.0	10-18-67 3-12-68 9-16-68	45.1 40.7 49.4	89.9 94.3 85.6	5001 5001 5050
8N/02E-02M01M	41.0	11-09-67 3-12-68 9-13-68	50.9 37.6 70.7	-9.9 3.4 -29.7	5001 5001 5050	8N/01W-10E01M	139.0	10-18-67 3-12-68 9-16-68	55.4 44.8 56.2	83.6 94.2 82.8	5001 5001 5050
8N/02E-04E01M	52.0	10-18-67 3-12-68 9-13-68	49.3 40.4 75.4	2.7 11.6 -23.4	5001 5001 5050	8N/01W-11K02M	125.0	11-11-67 4-10-68	38.9 37.8	86.1 87.2	5104 5104
8N/02E-08R03M	55.0	10-18-67 3-12-68 9-12-68	59.3 41.2 76.9	-4.3 13.8 -21.9	5001 5001 5050	8N/01W-12D01M	122.0	11-11-67 4-10-68	36.6 32.1	85.4 89.9	5104 5104
8N/02E-09A01M	43.0	10-28-67 4-13-68	42.5 48.6	0.5 -5.6	5104 5104	8N/01W-13F01M	114.0	10-18-67 3-14-68 9-16-68	39.4 36.4 42.7	74.6 77.6 71.3	5001 5001 5050
8N/02E-13B06M	36.5	10-20-67 3-14-68 9-13-68	48.0 33.4 64.4	-11.5 3.1 -27.9	5001 5001 5050	8N/01W-13G03M	113.0	11-11-67 4-10-68	37.6 36.5	75.4 76.5	5104 5104
8N/02E-15M02M	52.7	10-24-67 3-14-68	66.9 52.9	-14.2 -0.2	5001 5001	8N/01W-14Q01M	120.0	11-11-67 4-10-68	42.3 35.2	77.7 84.8	5104 5104
8N/02E-16M01M	58.0	10-19-67 3-14-68 9-11-68	63.0 50.1 80.3	-5.0 7.9 -22.3	5001 5001 5050	8N/01W-16R02M	128.0	10-18-67 11-11-67 3-12-68 4-11-68	52.1 50.1 46.9 45.3	75.9 77.9 81.1 82.7	5001 5104 5001 5104
8N/02E-16N01M	60.0	10-28-67 4-13-68	(2) 63.7		5104 5104	8N/01W-20R02M	149.0	10-18-67 3-12-68 9-17-68	60.9 53.6 72.3	88.1 95.4 76.7	5001 5001 5050
8N/02E-17M01M	59.0	10-19-67 3-14-68 9-10-68	54.3 44.7 70.3	4.7 14.3 -11.3	5001 5001 5050	8N/01W-20R05M	147.0	11-11-67 4-11-68	58.5 52.5	88.5 94.5	5104 5104
8N/02E-19B01M	67.0	10-19-67 3-14-68 9-11-68	50.8 45.8 (2) 59.2	16.2 21.2 7.8	5001 5001 5050	8N/01W-21N01M	145.0	10-18-67 3-12-68 9-17-68	67.6 57.8 68.4	77.4 87.2 76.6	5001 5001 5050
8N/03E-03Q01M	14.0	11-04-67 4-13-68	13.7 7.5	0.3 6.5	5104 5104	8N/01W-22G02M	126.5	10-16-67 3-04-68	46.0 39.6	80.5 86.9	5001 5001
8N/03E-04R01M	16.0	7-16-68	38.7	-22.7	5050	8N/01W-22L01M	128.0	10-18-67 3-14-68	52.5 45.5	75.5 82.5	5001 5001
8N/03E-05Q01M	20.0	10-28-67 4-13-68	(4) (4)		5104 5104	8N/01W-28B01M	139.0	11-07-67 4-08-68	52.0 42.0	87.0 97.0	5001 5001
8N/03E-07B01M	25.0	11-04-67 4-13-68	31.2 (9)	-6.2	5104 5104	8N/01W-28B02M	139.0	10-18-67 4-08-68 9-18-68	52.3 45.5 61.4	86.7 93.5 77.6	5001 5001 5050
8N/03E-07M01M	32.4	10-27-67 11-30-67 12-29-67 1-30-68 2-29-68 3-26-68 4-30-68 5-29-68 6-28-68 7-30-68 8-30-68 9-27-68	40.4 33.8 31.8 30.1 28.2 27.5 56.4 69.8 77.5 75.8 62.5 58.2	-8.0 -1.4 0.6 2.3 4.2 4.9 -24.0 -37.4 -45.1 -43.4 -30.1 -25.8	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	8N/01W-28N01M	142.0	10-19-67 3-12-68 9-18-68	45.8 44.7 51.4	96.2 97.3 90.6	5001 5001 5050
8N/03E-15D01M	14.0	10-09-67 3-12-68	20.3 10.6	-6.3 3.4	5050 5050	8N/01W-29M01M	155.0	11-07-67 3-12-68 9-17-68	60.6 54.2 66.6	94.4 100.8 88.4	5001 5001 5050
8N/03E-19D01M	37.0	10-20-67 10-28-67 3-14-68 4-13-68 9-16-68	46.4 41.7 32.0 (1) 58.0	-9.4 -4.7 5.0	5001 5104 5001 5104 5050	8N/01W-31H01M	153.0	10-16-67 3-04-68 9-17-68	36.8 35.8 37.5	116.2 117.2 115.5	5001 5001 5050
						8N/01W-31J03M	144.7	10-16-67 3-04-68 9-18-68	24.2 (7) 23.5	120.5	5001 5001 5050
						8N/01W-31K01M	157.0	10-18-67 3-12-68 9-18-68	38.1 36.1 39.2	118.9 120.9 117.8	5001 5001 5050
						8N/01W-32C01M	147.0	10-19-67 3-12-68 9-18-68	47.3 41.6 49.0	99.7 105.4 98.0	5001 5001 5050
						9N/01E-01L01M	74.0	11-01-67 4-10-68	47.8 47.5	26.2 26.5	5104 5104



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	
YOLO COUNTY 5-21.09						YOLO COUNTY 5-21.09						
9N/01E-01R01M	71.0	11-01-67 4-10-68	(4) (4)		5104 5104	9N/02E-17M01M	65.0	11-01-67 3-22-68	43.9 40.0	21.1 25.0	5104 5104	
9N/01E-02A01M	84.0	11-01-67 4-10-68	50.1 54.9	33.9 29.1	5104 5104	9N/02E-20M01M	61.0	11-01-67 3-22-68	41.2 34.9	19.8 26.1	5104 5104	
9N/01E-02N01M	87.0	11-01-67 4-10-68	51.0 48.9	36.0 38.1	5104 5104	9N/02E-21L01M	51.0	11-04-67 3-22-68	43.4 33.8	7.6 17.2	5104 5104	
9N/01E-03A02M	91.0	11-01-67 4-10-68	62.5 54.2	28.5 36.8	5104 5104	9N/02E-23D01M	43.0	10-29-67 3-22-68	(4) (4)		5104 5104	
9N/01E-03C03M	96.0	11-01-67 4-10-68	62.1 48.2	33.9 47.8	5104 5104	9N/02E-29Q03M	50.0	10-29-67 3-22-68	47.1 29.4	2.9 20.6	5104 5104	
9N/01E-05E01M	116.0	11-09-67 4-06-68	13.6 8.1	102.4 107.9	5104 5104	9N/02E-31D01M	65.0	10-28-67 3-22-68	46.8 27.9	18.2 37.1	5104 5104	
9N/01E-06D01M	125.0	11-09-67 4-06-68	(4) (4)		5104 5104	9N/02E-33H01M	47.0	10-28-67 3-22-68	54.3 38.5	-7.3 8.5	5104 5104	
9N/01E-07D01M	121.0	11-08-67 4-10-68	18.0 9.8	103.0 111.2	5104 5104	9N/02E-35E01M	34.0	10-28-67 3-22-68	35.4 22.5	-1.4 11.5	5104 5104	
9N/01E-08D01M	116.0	11-09-67 4-06-68	5.9 2.6	110.1 113.4	5104 5104	9N/03E-07D01M	25.0	10-10-67 3-25-68	20.2 10.3	4.8 14.7	5104 5104	
9N/01E-12A01M	70.0	11-01-67 4-10-68	49.7 (1)	20.3	5104 5104	9N/03E-11N09M	13.0	10-10-67 3-19-68	11.1 2.6	1.9 10.4	5104 5104	
9N/01E-12M01M	81.0	11-01-67 4-10-68	39.9 39.8	41.1 41.2	5104 5104	9N/03E-30G01M	22.0	10-28-67 3-22-68	(5) (6)		5104 5104	
9N/01E-12Q01M	71.0	11-01-67 4-10-68	46.6 36.9	24.4 34.1	5104 5104	9N/04E-32G01M	12.0	10-27-67 11-30-67 12-29-67 1-30-68 2-29-68 3-26-68 4-30-68 5-29-68 6-28-68 7-30-68 8-30-68 9-27-68	9.2 9.2 9.2 8.0 6.9 6.4 7.6 8.2 9.1 10.1 10.4 10.3	2.8 2.8 2.8 4.0 5.1 5.6 4.4 3.8 2.9 1.9 1.6 1.7	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	
9N/01E-16A01M	92.0	10-09-67 3-12-68	13.2 13.5	78.8 78.5	5050 5050	9N/01W-02Q02M	136.0	11-09-67 4-06-68	(1) 11.9		124.1	5104 5104
9N/01E-17D01M	109.0	11-09-67 4-06-68	(4) (4)		5104 5104	9N/01W-03B01M	148.0	11-09-67 4-06-68	15.5 9.0	132.5 139.0	5104 5104	
9N/01E-20E01M	112.0	11-11-67 4-11-68	16.5 11.3	95.5 100.7	5104 5104	9N/01W-03N01M	163.0	11-09-67 4-11-68	(5) (6)		5104 5104	
9N/01E-22A02M	78.0	11-01-67 4-13-68	14.7 17.9	63.3 60.1	5104 5104	9N/01W-05B01M	185.0	11-09-67 4-06-68	(1) 11.5		173.5	5104 5104
9N/01E-22B01M	86.0	11-01-67 4-13-68	16.9 19.8	69.1 66.2	5104 5104	9N/01W-07R01M	210.0	11-09-67 4-11-68	26.1 (4) 91.9	183.9 118.1	5104 5104	
9N/01E-24D01M	67.0	11-01-67 4-13-68	23.1 25.8	43.9 41.2	5104 5104	9N/01W-08Q01M	190.0	11-08-67 4-11-68	14.3 15.9	175.7 174.1	5104 5104	
9N/01E-26N01M	77.0	11-01-67 4-13-68	17.2 15.2	59.8 61.8	5104 5104	9N/01W-09K01M	168.0	11-09-67 4-11-68	8.8 9.2	159.2 158.8	5104 5104	
9N/01E-27Q01M	87.0	11-01-67 4-13-68	20.7 20.0	66.3 67.0	5104 5104	9N/01W-09P01M	182.0	11-09-67 4-11-68	18.3 18.3	163.7 163.7	5104 5104	
9N/01E-28M01M	102.0	11-01-67 4-11-68	15.5 13.8	86.5 88.2	5104 5104	9N/01W-11K01M	138.0	11-09-67 4-06-68	10.0 9.6	128.0 128.4	5104 5104	
9N/01E-31D01M	116.0	10-09-67 3-12-68	14.7 14.1	101.3 101.9	5050 5050	9N/01W-15D01M	164.0	11-09-67 4-11-68	15.7 17.4	148.3 146.6	5104 5104	
9N/01E-31K02M	111.0	10-18-67 3-08-68 9-16-68	36.3 24.8 35.7	74.7 86.2 75.3	5001 5001 5050	9N/01W-16N01M	180.0	11-09-67 4-11-68	7.2 7.8	172.8 172.2	5104 5104	
9N/02E-05C01M	68.0	11-01-67 3-25-68	38.7 41.2	29.3 26.8	5104 5104	9N/01W-21E01M	170.0	11-09-67 4-11-68	7.8 7.7	162.2 162.3	5104 5104	
9N/02E-07A01M	72.0	11-01-67 3-22-68	(4) 47.6		5104 5104	9N/01W-24G01M	125.0	11-11-67 4-10-68	11.9 6.8	113.1 118.2	5104 5104	
9N/02E-07K01M	70.0	11-01-67 3-22-68	(1) (4)		5104 5104	9N/01W-27B01M	149.0	11-11-67 4-11-68	24.1 16.1	124.9 132.9	5104 5104	
9N/02E-07L01M	66.0	11-01-67 3-22-68	51.1 40.6	14.9 25.4	5104 5104	9N/01W-29J01M	182.0	11-09-67 4-11-68	28.9 29.8	153.1 152.2	5104 5104	
9N/02E-09B01M	53.0	11-01-67 3-25-68	(4) (4)		5104 5104	9N/01W-33J01M	169.0	11-11-67 4-11-68	40.7 37.1	128.3 131.9	5104 5104	
9N/02E-10D01M	46.0	11-01-67 3-22-68	31.6 23.3	14.4 22.7	5104 5104	9N/01W-35M01M	143.0	10-27-67 11-11-67 11-30-67 12-29-67 1-30-68 2-29-68 3-26-68 4-10-68 4-30-68 5-29-68 6-28-68 7-30-68 8-30-68 9-27-68	39.8 40.2 40.2 37.4 37.1 36.8 36.6 42.2 53.0 44.6 53.3 54.8 49.4 45.0	103.2 102.8 102.8 105.6 105.9 106.2 106.4 100.8 90.0 98.4 89.7 88.2 93.6 98.0	5050 5104 5104 5050 5050 5050 5104 5050 5050 5050 5050 5050 5050 5050	
9N/02E-11D01M	34.0	10-12-67 3-22-68	13.9 12.4	20.1 21.6	5104 5104							
9N/02E-12J01M	25.0	10-10-67 3-25-68	(5) (9)		5104 5104							
9N/02E-16E01M	53.0	11-01-67 3-22-68	37.7 29.6	15.3 23.4	5104 5104							
9N/02E-16N01M	52.0	10-27-67 11-30-67 12-29-67 1-30-68 2-29-68 3-26-68 4-30-68 5-29-68 6-28-68 7-30-68 8-30-68 9-27-68	39.4 33.7 31.8 29.2 27.8 28.0 52.3 51.1 68.6 63.6 58.2 57.5	12.6 18.3 20.2 22.8 24.2 24.0 -0.3 0.9 -16.6 -11.6 -6.2 -5.5	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050							



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09						YOLO COUNTY 5-21.09					
9N/01W-36G03M	119.5	11-11-67 4-10-68	22.5 23.9	97.0 95.6	5104 5104	10N/02E-06B01M	65.0	10-12-67 3-26-68	(6) 13.7 41.4	51.3 23.6	5104 5104
9N/02W-01A01M	218.0	11-09-67 4-11-68	26.3 26.2	191.7 191.8	5104 5104	10N/02E-06M01M	72.0	10-12-67 3-26-68	55.2 (1)	16.8	5104 5104
10N/01E-01M01M	73.0	11-14-67 4-08-68	51.7 42.0	21.3 31.0	5104 5104	10N/02E-08D02M	67.0	10-13-67 3-26-68	53.6 37.3	13.4 29.7	5104 5104
10N/01E-02Q02M	72.5	11-14-67 4-08-68	52.9 44.6	19.6 27.9	5104 5104	10N/02E-08E01M	67.0	10-13-67 3-26-68	46.3 (3)	20.7	5104 5104
10N/01E-03E01M	79.0	11-14-67 4-08-68	59.7 51.4	19.3 27.6	5104 5104	10N/02E-08Q01M	63.0	10-13-67 3-26-68	50.4 39.4	12.6 23.6	5104 5104
10N/01E-07D01M	205.0	11-09-67 4-06-68	46.3 46.5	158.7 158.5	5104 5104	10N/02E-09N01M	63.0	11-14-67 3-26-68	44.9 37.7	18.1 25.3	5104 5104
10N/01E-10G01M	84.0	11-14-67 4-08-68	67.7 52.7	16.3 31.3	5104 5104	10N/02E-10R01M	47.0	10-12-67 3-25-68	33.2 22.1	13.8 24.9	5104 5104
✓10N/01E-13L01M	82.0	11-14-67 4-08-68	64.8 52.7	17.2 29.3	5104 5104	10N/02E-12R01M	35.0	10-12-67 3-25-68	(4) 13.8	21.2	5104 5104
✓10N/01E-14K01M	91.0	11-14-67 4-08-68	69.2 53.3	21.8 37.7	5104 5104	10N/02E-14E01M	36.0	10-12-67 3-25-68	6.9 9.6	29.1 26.4	5104 5104
✓10N/01E-15D01M	93.0	11-14-67 4-08-68	68.3 58.3	24.7 34.7	5104 5104	10N/02E-14G01M	32.0	10-27-67 11-30-67 12-29-67 1-30-68 2-29-68 3-26-68 4-30-68 5-29-68 6-28-68 7-30-68 8-30-68 9-27-68	14.7 13.4 13.0 9.7 7.9 6.3 16.5 20.2 24.8 24.1 22.3 20.4	17.3 18.6 19.0 22.3 24.1 25.7 15.5 11.8 7.2 7.9 9.7 11.6	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
✓10N/01E-15F02M	87.0	11-14-67 4-08-68	64.0 49.5	23.0 37.5	5104 5104	10N/02E-15N01M	45.0	10-12-67 3-25-68	36.6 23.6	8.4 21.4	5104 5104
✓10N/01E-15R01M	94.0	11-14-67 4-08-68	(4) (4)		5104 5104	10N/02E-18M01M	74.0	10-13-67 3-26-68	(1) 42.3	31.7	5104 5104
10N/01E-18C01M	185.0	11-09-67 4-06-68	49.8 56.0	135.2 129.0	5104 5104	10N/02E-20E01M	62.0	10-13-67 3-26-68	38.4 34.2	23.6 27.8	5104 5104
10N/01E-19K01M	120.0	11-09-67 4-06-68	15.7 6.5	104.3 113.5	5104 5104	10N/02E-20N01M	65.0	10-13-67 3-26-68	47.8 35.1	17.2 29.9	5104 5104
✓10N/01E-23G01M	92.0	11-14-67 4-08-68	(5) 54.8		5104 5104	10N/02E-21M02M	52.0	10-13-67 3-26-68	33.3 29.9	18.7 22.1	5104 5104
✓10N/01E-23Q02M	87.0	11-14-67 4-08-68	72.3 58.1	14.7 28.9	5104 5104	10N/02E-24B01M	29.0	10-12-67 3-25-68	23.5 10.2	5.5 18.8	5104 5104
10N/01E-24E01M	83.0	11-14-67 4-08-68	60.6 51.9	22.4 31.1	5104 5104	10N/02E-26Q01M	32.0	10-12-67 3-25-68	32.6 13.1	-0.6 18.9	5104 5104
10N/01E-26E03M	97.0	11-14-67 4-08-68	70.8 61.5	26.2 35.5	5104 5104	10N/02E-30E01M	74.0	10-13-67 3-26-68	(4) (9)		5104 5104
✓10N/01E-27F01M	100.0	11-14-67 4-08-68	72.2 60.0	27.8 40.0	5104 5104	10N/02E-31M01M	77.0	10-13-67 4-08-68	60.5 52.3	16.5 24.7	5104 5104
✓10N/01E-28K01M	109.0	11-14-67 4-08-68	42.7 30.6	66.3 78.4	5104 5104	10N/02E-33R01M	52.0	10-13-67 3-25-68	38.7 28.8	13.3 23.2	5104 5104
10N/01E-29K01M	110.0	11-09-67 4-08-68	18.1 14.5	91.9 95.5	5104 5104	10N/02E-34M01M	54.0	10-13-67 3-25-68	43.5 30.7	10.5 23.3	5104 5104
10N/01E-30L01M	125.0	11-09-67 4-06-68	(5) 17.1		5104 5104	10N/03E-14C01M	25.0	10-09-67 3-12-68	13.1 8.9	11.9 16.1	5050 5050
10N/01E-31E01M	128.0	11-09-67 4-06-68	22.6 14.2	105.4 113.8	5104 5104	10N/03E-30A01M	24.0	10-09-67 3-12-68	19.8 6.9	4.2 17.1	5050 5050
10N/01E-32E01M	124.0	11-09-67 4-06-68	24.5 15.3	99.5 108.7	5104 5104	10N/03E-32E01M	21.0	10-09-67 3-12-68	16.8 4.3	4.2 16.7	5050 5050
10N/01E-33P01M	130.0	11-14-67 4-08-68	62.2 67.9	67.8 62.1	5104 5104	10N/03E-33B01M	22.0	10-09-67 3-12-68	12.8 6.2	9.2 15.8	5050 5050
10N/01E-34A03M	100.0	11-14-67 4-08-68	64.2 61.6	35.8 38.4	5104 5104	10N/01W-04B01M	178.0	10-25-67 4-04-68	41.4 (3)	136.6	5104 5104
10N/01E-34C01M	113.2	10-27-67 11-28-67 12-29-67 1-29-68 2-29-68 3-26-68 4-30-68 5-29-68 6-28-68 7-31-68 8-30-68 9-30-68	74.4 73.6 72.5 71.2 68.2 65.9 70.9 74.9 78.9 81.0 81.6 80.9	38.8 39.6 40.7 42.0 45.0 47.3 42.3 38.3 34.3 32.2 31.6 32.3	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	10N/01W-04C01M	178.0	7-18-68	55.2	122.8	5050
10N/01E-36Q02M	85.0	11-14-67 4-08-68	64.6 58.8	20.4 26.2	5104 5104	10N/01W-05E01M	185.0	10-25-67 4-04-68	54.4 44.3	130.6 140.7	5104 5104
10N/02E-01P02M	30.0	10-12-67 3-25-68	26.3 10.1	3.7 19.9	5104 5104	10N/01W-06A01M	189.0	10-25-67 4-04-68	(3) 47.2	141.8	5104 5104
10N/02E-03R01M	36.0	10-12-67 3-25-68	(4) (4)		5104 5104	10N/01W-06D01M	205.0	10-09-67 3-12-68	67.9 59.6	137.1 145.4	5050 5050
10N/02E-03R02M	37.0	7-19-68	59.7	-22.7	5050	10N/01W-08B01M	176.0	10-25-67 4-04-68	42.1 36.0	133.9 140.0	5104 5104
10N/02E-04R01M	44.0	10-12-67 3-25-68	26.9 17.2	17.1 26.8	5104 5104	10N/01W-09F02M	171.0	11-09-67 4-06-68	35.5 27.1	135.5 143.9	5104 5104
10N/02E-05M02M	64.5	10-12-67 3-26-68	48.8 37.1	15.7 27.4	5104 5104	10N/01W-14B01M	153.0	11-09-67 4-06-68	DRY 20.1	132.9	5104 5104



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09						YOLO COUNTY 5-21.09					
10N/01W-15A01M	155.0	10-27-67 4-06-68	24.8 14.9	130.2 140.1	5104 5104	10N/02W-35A01M	250.0	10-25-67 (6) 4-04-68	32.9 51.5	217.1 198.5	5104 5104
10N/01W-15B01M	153.0	10-25-67 4-06-68	27.6 19.7	125.4 133.3	5104 5104	10N/02W-36A01M	191.0	11-09-67 4-06-68	(8) 8.5	182.5	5104 5104
10N/01W-15P01M	160.0	10-25-67 4-04-68	31.5 24.5	128.5 135.5	5104 5104	11N/01E-03E01M	36.0	10-04-67 3-05-68	51.1 17.5	-15.1 18.5	5001 5001
10N/01W-17N01M	180.0	11-09-67 4-06-68	40.6 24.6	139.4 155.4	5104 5104	11N/01E-04E02M	37.0	3-05-68	16.7	20.3	5001
10N/01W-18A01M	179.0	10-19-67 3-12-68	39.6 29.2	139.4 149.8	5050 5050	11N/01E-06P01M	40.0	10-04-67 3-05-68	53.8 22.9	-13.8 17.1	5001 5001
10N/01W-18E01M	188.0	10-09-67 11-09-67 3-12-68	41.6 (1) 28.5	146.4 5104 159.5	5050 5104 5050	11N/01E-06R02M	35.0	10-05-67 3-05-68	22.7 18.6	12.3 16.4	5001 5001
10N/01W-19Q04M	188.0	11-09-67 4-06-68	47.9 38.3	140.1 149.7	5104 5104	11N/01E-08B01M	41.0	10-05-67	(0)		5001
10N/01W-20R01M	163.0	11-09-67 4-06-68	29.4 18.6	133.6 144.4	5104 5104	11N/01E-09F01M	46.0	10-05-67 3-05-68 9-18-68	41.2 25.4 54.5	4.8 20.6 -8.5	5001 5001 5050
10N/01W-21G01M	163.0	10-25-67 4-06-68	34.3 25.3	128.7 137.7	5104 5104	11N/01E-09F02M	45.0	3-05-68 9-19-68	25.4 74.5	19.6 -29.5	5001 5050
10N/01W-21J01M	160.0	10-25-67 4-06-68	36.8 21.8	123.2 138.2	5104 5104	11N/01E-09P01M	47.5	10-05-67 3-05-68 9-19-68	(1) 27.0 41.6		5001 5001 5050
10N/01W-23P01M	141.0	11-09-67 4-06-68	22.3 17.9	118.7 123.1	5104 5104	11N/01E-09R01M	39.0	10-05-67 3-05-68 9-19-68	29.0 16.7 28.8	10.0 22.3 10.2	5001 5001 5050
10N/01W-24L02M	137.0	11-09-67 4-06-68	18.1 12.9	118.9 124.1	5104 5104	11N/01E-12Q01M	35.5	10-05-67 3-05-68	(1) 20.3		5001 5001
10N/01W-26D03M	147.0	11-09-67 4-06-68	25.5 18.5	121.5 128.5	5104 5104	11N/01E-14E01M	39.0	10-05-67 3-05-68	(1) 21.5		5001 5001
10N/01W-27F01M	147.0	10-25-67 4-06-68	20.2 13.5	126.8 133.5	5104 5104	11N/01E-15C01M	42.0	10-05-67 3-05-68	(1) 21.4		5001 5001
10N/01W-27N01M	150.0	10-27-67 11-30-67 12-29-67 1-30-68 2-29-68 3-26-68 4-30-68 5-29-68 6-28-68 7-30-68 8-30-68 9-27-68	28.1 20.7 18.8 16.7 14.4 13.1 21.5 19.5 23.5 31.6 30.1 30.0	121.9 129.3 131.2 133.3 135.6 136.9 128.5 130.5 126.5 118.4 119.9 120.0	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	11N/01E-16J01M	46.0	10-05-67 3-05-68	36.4 28.6	9.6 17.4	5001 5001
10N/01W-27P01M	146.0	10-25-67 4-06-68 7-18-68	(4) (4) 31.5		5104 5104 5050	11N/01E-17F01M	50.5	10-04-67 3-04-68	48.0 29.0	2.5 21.5	5001 5001
10N/01W-29M01M	173.0	10-25-67 4-06-68	11.9 4.6	161.1 168.4	5104 5104	11N/01E-18B01M	52.5	10-05-67 3-04-68	43.1 34.0	9.4 18.5	5001 5001
10N/01W-30K01M	181.0	10-25-67 4-06-68	20.8 9.8	160.2 171.2	5104 5104	11N/01E-19A02M	57.0	10-05-67 3-04-68	49.4 39.0	7.6 18.0	5001 5001
10N/01W-32B01M	180.0	10-25-67 4-06-68	14.3 13.5	165.7 166.5	5104 5104	11N/01E-21Q01M	55.0	10-06-67 10-27-67 11-30-67 12-29-67 1-30-68 2-29-68 3-04-68 3-26-68 4-30-68 5-29-68 6-28-68 7-30-68 8-30-68 9-27-68	26.3 26.7 27.4 27.9 28.2 27.8 (7) 27.8 28.2 28.8 28.4 28.0 28.2 28.4	28.7 28.3 27.6 27.1 26.8 27.2 5001 27.2 26.8 26.2 26.6 27.0 26.8 26.6	5001 5050 5050 5050 5050 5050 5001 5050 5050 5050 5050 5050 5050
10N/01W-32E01M	188.0	11-09-67 4-06-68	(1) 15.1		5104 5104	11N/01E-22B02M	43.0	10-05-67	(8)		5001
10N/01W-33F01M	165.0	10-25-67 4-06-68	27.3 16.3	137.7 148.7	5104 5104	11N/01E-22D01M	45.0	10-05-67 3-05-68	28.6 25.0	16.4 20.0	5001 5001
10N/01W-36B02M	131.0	11-09-67 4-06-68	20.7 13.0	110.3 118.0	5104 5104	11N/01E-22P01M	58.5	10-06-67 3-04-68	34.8 41.2	23.7 17.3	5001 5001
10N/02W-01M02M	225.0	10-09-67 3-12-68	86.1 78.0	138.9 147.0	5050 5050	11N/01E-23C01M	46.6	10-05-67 3-05-68	53.6 29.0	-7.0 17.6	5001 5001
10N/02W-12D01M	210.0	10-09-67 10-25-67 3-12-68	69.9 66.8 61.8	140.1 143.2 148.2	5050 5104 5050	11N/01E-23P01M	56.0	10-06-67 3-05-68	66.4 38.1	10.4 17.9	5001 5001
10N/02W-14A01M	200.0	10-25-67 3-12-68 4-04-68	75.4 62.3 82.9	124.6 137.7 117.1	5104 5050 5104	11N/01E-24P03M	46.0	10-06-67 3-05-68	45.3 27.2	0.7 18.8	5001 5001
10N/02W-15R01M	213.0	10-25-67 4-04-68	19.1 23.4	193.9 189.6	5104 5104	11N/01E-25E01M	48.0	10-06-67 3-05-68	32.8 29.3	15.2 18.7	5001 5001
10N/02W-16R01M	229.0	10-25-67 4-06-68	15.4 11.7	213.6 217.3	5104 5104	11N/01E-25R01M	55.0	10-05-67 3-05-68	45.6 33.0	9.4 22.0	5001 5001
10N/02W-17J01M	254.0	10-25-67 4-04-68	10.8 9.5	243.2 244.5	5104 5104	11N/01E-26N01M	66.0	10-06-67 3-04-68	47.5 45.3	18.5 20.7	5001 5001
10N/02W-21G01M	239.0	10-25-67 4-04-68	16.7 16.2	222.3 222.8	5104 5104	11N/01E-26N02M	66.0	10-06-67 3-04-68	46.5 43.6	19.5 22.4	5001 5001
10N/02W-25O01M	232.0	11-09-67 (6) 4-06-68	14.8 38.1	217.2 193.9	5104 5104	11N/01E-27A01M	65.0	10-06-67 3-04-68	67.9 45.1	-2.9 19.9	5001 5001
10N/02W-28J01M	365.0	10-25-67 4-04-68	85.4 76.4	279.6 288.6	5104 5104	11N/01E-27N02M	63.0	10-06-67 3-04-68	72.0 41.5	-9.0 21.5	5001 5001



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
YOLO COUNTY 5-21.09						YOLO COUNTY 5-21.09					
11N/01E-35J01M	58.0	10-06-67	57.7	0.3	5001	12N/01W-14M01M	43.5	10-04-67 (4)	52.3	-8.8	5001
		3-05-68	35.0	23.0	5001			3-04-68	26.7	16.8	5001
11N/02E-16R01M	35.0	10-10-67	18.0	17.0	5050	12N/01W-22A01M	47.8	10-04-67	(0)		5001
		3-08-68	14.1	20.9	5050						
11N/02E-18E01M	34.0	10-27-67	20.2	13.8	5050	12N/01W-22R01M	51.0	10-27-67	47.1	3.9	5050
		11-30-67	19.6	14.4	5050			11-30-67	42.9	8.1	5050
		12-29-67	19.6	14.4	5050			12-29-67	42.2	8.8	5050
		1-30-68	18.8	15.2	5050			1-30-68	40.8	10.2	5050
		2-29-68	17.7	16.3	5050			2-29-68	40.2	10.8	5050
		3-26-68	16.7	17.3	5050			3-26-68	40.2	10.8	5050
		4-30-68	17.6	16.4	5050			4-30-68	44.0	7.0	5050
		5-29-68	12.8	21.2	5050			5-29-68	(1)		5050
		6-28-68	20.3	13.7	5050			6-28-68	57.0	-6.0	5050
		7-30-68	21.4	12.6	5050			7-30-68	59.7	-8.7	5050
		8-30-68	22.9	11.1	5050			8-30-68	56.8	-5.8	5050
		9-27-68	23.8	10.2	5050			9-27-68	52.6	-1.6	5050
11N/02E-18F02M	40.0	10-05-67	45.0	-5.0	5001	12N/01W-24F01M	36.1	10-04-67	19.4	16.7	5001
		3-05-68	19.8	20.2	5001			3-04-68	17.3	18.8	5001
11N/02E-18N01M	40.0	10-05-67	49.9	-9.9	5001	12N/01W-26L02M	50.0	10-04-67	61.5	-11.5	5001
		3-05-68	22.2	17.8	5001			3-04-68	37.6	12.4	5001
11N/02E-20K04M	50.0	10-10-67	47.5	2.5	5050	12N/01W-36K01M	40.0	10-04-67	57.5	-17.5	5001
		3-08-68	33.3	16.7	5050			3-04-68	31.9	8.1	5001
11N/02E-23M01M	29.0	10-04-67	14.2	14.8	5001	CAPAY VALLEY 5-21.10					
		3-04-68	9.8	19.2	5001	10N/02W-07A01M	280.0	10-25-67	15.7	264.3	5104
11N/02E-27E04M	37.0	10-05-67	(1)		5001			4-04-68	15.2	264.8	5104
		3-05-68	16.1	20.9	5001	10N/02W-18F01M	334.0	10-25-67	16.1	317.9	5104
11N/02E-28C01M	42.0	3-05-68	19.8	22.2	5001			4-04-68	16.6	317.4	5104
11N/02E-29A01M	44.0	10-05-67	42.8	1.2	5001	10N/03W-02R01M	335.0	10-14-67	34.0	301.0	5104
		3-05-68	24.2	19.8	5001			4-04-68	28.5	306.5	5104
11N/02E-29N01M	52.0	10-05-67	50.6	1.4	5001	10N/03W-13E01M	385.0	10-14-67	32.5	352.5	5104
		3-05-68	30.8	21.2	5001			4-04-68	24.2	360.8	5104
11N/02E-33N01M	43.0	10-05-67	24.6	18.4	5001	10N/03W-24B01M	430.0	10-14-67	18.8	411.2	5104
		3-05-68	22.1	20.9	5001			4-04-68	18.2	411.8	5104
11N/02E-35E01M	32.0	10-10-67	18.4	13.6	5050	11N/03W-03L01M	345.0	10-14-67	9.6	335.4	5104
		3-08-68	9.6	22.4	5050			4-04-68	8.0	337.0	5104
11N/01W-28D01M	222.0	10-09-67	22.1	199.9	5050	11N/03W-04P01M	409.0	10-14-67	54.4	354.6	5104
		3-12-68	21.4	200.6	5050			4-04-68	37.1	371.9	5104
11N/01W-30D01M	237.0	10-09-67	40.2	196.8	5050	11N/03W-09Q01M	415.0	10-14-67	(1)		5104
		3-12-68	39.9	197.1	5050			4-04-68	10.8	404.2	5104
11N/01W-34P01M	195.0	10-09-67	17.4	177.6	5050	11N/03W-15G01M	330.0	10-14-67	21.3	308.7	5104
		3-12-68	17.1	177.9	5050			4-04-68	18.3	311.7	5104
11N/02W-23A01M	292.0	10-09-67	67.3	224.7	5050	11N/03W-22B01M	327.0	10-14-67	22.4	304.6	5104
		3-12-68	67.5	224.5	5050			4-04-68	22.3	304.7	5104
11N/02W-24A01M	250.0	10-09-67	28.2	221.8	5050	11N/03W-23N01M	317.0	10-14-67	20.6	296.4	5104
		3-12-68	28.4	221.6	5050			4-04-68	18.9	298.1	5104
11N/02W-26A01M	275.0	10-25-67	72.6	202.4	5104	11N/03W-26M03M	308.0	10-14-67	46.4	261.6	5104
		4-04-68 (4)	72.6	202.4	5104			4-04-68	26.4	281.6	5104
11N/02W-26J01M	274.0	10-25-67	82.5	191.5	5104	11N/03W-34C01M	370.0	10-14-67	40.8	329.2	5104
		4-04-68	78.8	195.2	5104			4-04-68	37.7	332.3	5104
11N/02W-35E01M	305.0	10-25-67	119.6	185.4	5104	11N/03W-35J01M	292.0	10-14-67	(7)		5104
		4-04-68	117.0	188.0	5104			4-04-68	12.4	279.6	5104
12N/01E-10H01M	25.6	10-04-67	7.2	18.4	5001	11N/03W-36M01M	286.0	10-14-67	17.2	268.8	5104
		3-04-68	6.4	19.2	5001			4-04-68	13.8	272.2	5104
12N/01E-15Q01M	20.7	10-04-67	18.0	2.7	5001	12N/03W-18G02M	435.0	10-14-67	36.1	398.9	5104
		3-04-68	7.4	13.3	5001			4-04-68	36.7	398.3	5104
12N/02E-30F01M	26.0	10-04-67	7.7	18.3	5001	12N/03W-20D01M	402.0	10-14-67	21.3	380.7	5104
		3-04-68	3.0	23.0	5001			4-04-68	19.9	382.1	5104
12N/01W-01G01M	35.0	10-04-67	19.2	15.8	5001	12N/03W-29K01M	400.0	10-14-67	17.3	382.7	5104
		3-04-68	(9)		5001			4-04-68	10.9	389.1	5104
12N/01W-05B01M	137.9	10-04-67	123.5	14.4	5001	12N/03W-32Q01M	410.0	10-14-67	40.4	369.6	5104
		10-27-67	120.2	17.7	5050			4-04-68	33.9	376.1	5104
		11-30-67	118.4	19.5	5050	12N/03W-33F01M	361.0	10-14-67	23.0	338.0	5104
		12-29-67	117.8	20.1	5050			4-04-68	16.5	344.5	5104
		1-30-68	117.8	20.1	5050	12N/04W-12R01M	446.0	10-14-67	23.1	422.9	5104
		2-29-68	116.1	21.8	5050			4-04-68	22.8	423.2	5104
		3-04-68	116.4	21.5	5001	SOLANO COUNTY 5-21.11					
		3-26-68	115.3	22.6	5050	4N/01E-02G01M	74.0	10-04-67	(6)		5109
		4-30-68	115.9	22.0	5050						
		5-29-68	117.6	20.3	5050	4N/01E-02G02M	60.0	10-05-67	24.1	35.9	5109
		6-28-68	119.6	18.3	5050			3-07-68	(9)		5109
		7-30-68	122.2	15.7	5050	4N/01E-12A01M	78.0	10-19-67	13.6	64.4	5050
		8-30-68	122.6	15.3	5050			4-16-68	13.8	64.2	5050
		9-27-68	123.7	14.2	5050	4N/02E-09A01M	39.0	10-05-67	18.6	20.4	5109
12N/01W-06J01M	165.0	10-04-67	148.3	16.7	5001			3-07-68	21.6	17.4	5109
		3-04-68	137.3	27.7	5001						
12N/01W-09E01M	110.2	10-04-67	100.5	9.7	5001						
		3-04-68	85.0	25.2	5001						
12N/01W-09R01M	79.2	10-04-67 (6)	29.7	49.5	5001						
		3-04-68 (6)	22.4	56.8	5001						

TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOLANO COUNTY 5-21.11						SOLANO COUNTY 5-21.11					
5N/01E-02E01M	25.0	10-03-67 3-06-68	(9) 7.1	17.9	5109 5109	6N/02E-02M03M	25.0	10-23-67 (4) 4-17-68	31.0 27.9	-6.0 -2.9	5050 5050
5N/01E-03P01M	35.0	10-23-67 4-17-68	13.9 14.1	21.1 20.9	5050 5050	6N/02E-08B01M	25.7	10-06-67 3-06-68 9-18-68 (1)	(7) (7) 67.0		5109 5109 5050
5N/01E-06G01M	58.0	10-24-67 4-17-68	29.6 30.6	28.4 27.4	5050 5050	6N/02E-14Q01M	12.0	10-23-67 11-17-67 3-21-68 4-16-68 5-15-68 9-18-68	8.8 8.5 7.0 12.8 13.2 17.6	3.2 3.5 5.0 -0.8 -1.2 -5.6	5050 5050 5050 5050 5050 5050
5N/01E-11R01M	23.0	10-23-67 4-17-68	(8) 19.4 (1)	3.6	5050 5050	6N/02E-20H02M	20.0	10-23-67 4-17-68	41.0 33.8	-21.0 -13.8	5050 5050
5N/01E-19R01M	40.0	10-03-67 3-06-68	10.0 10.4	30.0 29.6	5109 5109	6N/02E-26D01M	8.0	10-06-67 3-06-68	8.2 8.2	-0.2 -0.2	5109 5109
5N/01E-21E01M	36.0	10-03-67 3-06-68	9.0 9.8	27.0 26.2	5109 5109	6N/02E-29N01M	19.0	10-06-67 10-23-67 3-06-68 4-17-68	19.0 18.9 18.9 18.7	0.0 0.1 0.1 0.3	5109 5050 5109 5050
5N/01E-22C01M	33.0	10-03-67 3-06-68	13.2 13.0	19.8 20.0	5109 5109	6N/01W-01B01M	82.0	10-11-67 10-20-67 11-17-67 3-06-68 3-21-68 4-16-68 5-16-68 9-18-68	26.3 27.3 24.7 20.6 20.3 25.9 21.2 32.9	55.7 54.7 57.3 61.4 61.7 56.1 60.8 49.1	5109 5050 5050 5109 5050 5050 5050 5050
5N/01E-26M02M	19.0	10-05-67 3-07-68	4.0 1.0	15.0 18.0	5109 5109	6N/01W-09L02M	175.0	10-12-67 3-05-68	0.3 0.0	174.7 175.0	5109 5109
5N/01E-36A01M	24.0	10-05-67 3-07-68	11.9 9.6	12.1 14.4	5109 5109	6N/01W-10R01M	100.0	10-20-67 4-17-68	37.5 33.5	62.5 66.5	5050 5050
5N/01E-36A02M	23.0	10-19-67 11-17-67 3-21-68 4-16-68 5-16-68 9-18-68	9.3 9.6 7.2 7.7 8.4 10.7	13.7 13.4 15.8 15.3 14.6 12.3	5050 5050 5050 5050 5050 5050	6N/01W-10R04M	100.0	10-20-67 4-17-68	35.3 32.0	64.7 68.0	5050 5050
5N/02E-05J01M	11.0	3-06-68	(6)		5109	6N/01W-12Q01M	77.0	10-24-67 4-17-68	9.8 9.0	67.2 68.0	5050 5050
5N/02E-06A01M	14.0	10-05-67 3-06-68	12.1 11.9	1.9 2.1	5109 5109	6N/01W-13R01M	74.5	10-24-67 4-17-68	6.3 5.6	68.2 68.9	5050 5050
5N/02E-07R01M	15.0	10-05-67 3-06-68	15.5 13.2	-0.5 1.8	5109 5109	6N/01W-15N01M	130.0	10-20-67 4-17-68	132.1 123.8	-2.1 6.2	5050 5050
5N/02E-19M01M	12.0	10-05-67 3-06-68	11.7 12.5	0.3 -0.5	5109 5109	6N/01W-15P01M	123.0	10-20-67 4-17-68	120.1 113.0	2.9 10.0	5050 5050
5N/02E-31J01M	31.0	10-05-67 3-07-68	13.7 15.0	17.3 16.0	5109 5109	6N/01W-20D01M	201.0	10-11-67 3-07-68	17.7 15.8	183.3 185.2	5109 5109
5N/02E-33G01M	13.0	10-05-67 3-07-68	8.5 9.0	4.5 4.0	5109 5109	6N/01W-21A01M	138.0	10-04-67 3-06-68	27.5 27.5	110.5 110.5	5109 5109
5N/02E-36N01M	0.7	10-05-67 3-02-68	6.5 5.7	-5.8 -5.0	5109 5109	6N/01W-21R01M	135.0	10-04-67 3-05-68	20.5 9.5	114.5 125.5	5109 5109
5N/01W-02B01M	97.0	10-24-67 4-17-68	20.1 18.5	76.9 78.5	5050 5050	6N/01W-23B01M	93.0	10-04-67 3-05-68	22.5 30.7	70.5 62.3	5109 5109
5N/01W-12N01M	62.0	10-24-67 4-17-68	23.5 23.4	38.5 38.6	5050 5050	6N/01W-23C01M	100.0	10-04-67 3-05-68	38.2 38.3	61.8 61.7	5109 5109
6N/01E-02B01M	46.0	10-23-67 (8) 4-17-68	55.0 (1)	-9.0	5050 5050	6N/01W-24N01M	88.0	10-24-67 4-17-68	38.5 40.2	49.5 47.8	5050 5050
6N/01E-06D01M	77.0	10-04-67 3-05-68	14.8 13.9	62.2 63.1	5109 5109	6N/01W-24N02M	90.0	10-24-67 4-17-68	89.5 90.8	0.5 -0.8	5050 5050
6N/01E-08J02M	60.0	10-24-67 4-17-68	13.7 13.9	46.3 46.1	5050 5050	6N/01W-26J02M	88.0	10-04-67 3-05-68	(9) 48.6		5109 5109
6N/01E-10N01M	52.0	10-23-67 4-17-68	10.1 12.7	41.9 39.3	5050 5050	7N/01E-01M02M	64.0	10-26-67 3-11-68	25.2 28.1	38.8 35.9	5001 5001
6N/01E-12M01M	40.0	10-23-67 11-17-67 3-21-68 4-16-68 5-16-68 9-18-68	30.1 30.4 30.6 30.2 30.9 30.0	9.9 9.6 9.4 9.8 9.1 10.0	5050 5050 5050 5050 5050 5050	7N/01E-03G01M	82.0	10-26-67 3-11-68	39.4 33.3	42.6 48.7	5001 5001
6N/01E-12M03M	40.0	10-23-67 4-16-68	54.9 46.5	-14.9 -6.5	5050 5050	7N/01E-04P03M	89.0	10-25-67 3-06-68	21.4 24.8	67.6 64.2	5001 5001
6N/01E-18N01M	72.7	10-12-67 3-05-68	6.0 5.6	66.7 67.1	5109 5109	7N/01E-05F01M	91.3	10-25-67 3-11-68	22.8 23.3	68.5 68.0	5001 5001
6N/01E-22D01M	44.6	10-06-67 3-05-68	7.4 8.5	37.2 36.1	5109 5109	7N/01E-08F03M	86.0	10-26-67 3-11-68	14.1 13.6	71.9 72.4	5001 5001
6N/01E-24L03M	32.0	10-23-67 4-17-68	(1) 20.4		5050 5050	7N/01E-10E01M	78.5	10-25-67 3-06-68	20.2 24.6	58.3 53.9	5001 5001
6N/01E-27G01M	44.0	10-06-67 3-06-68	13.3 16.2	30.7 27.8	5109 5109	7N/01E-11M01M	75.0	10-25-67 3-06-68	32.1 33.0	42.9 42.0	5001 5001
6N/01E-27G02M	42.0	10-06-67 3-06-68	11.3 13.3	30.7 28.7	5109 5109	7N/01E-12N02M	64.0	10-20-67 10-25-67 11-17-67 3-06-68 3-21-68 4-16-68 5-15-68 9-18-68	31.4 31.7 31.7 31.4 31.3 31.3 30.1 31.5	32.6 32.3 32.3 32.6 32.7 32.7 33.9 32.5	5050 5001 5050 5001 5050 5050 5050 5050
6N/01E-31A01M	60.0	10-24-67 4-17-68	21.3 20.5	38.7 39.5	5050 5050						
6N/01E-33L01M	43.0	10-06-67 10-24-67 11-17-67 3-03-68 3-21-68 4-16-68 5-16-68 9-18-68	12.5 12.4 12.5 11.6 11.5 14.4 15.1 11.6	30.5 30.6 30.5 31.4 31.5 28.6 27.9 31.4	5109 5050 5050 5109 5050 5050 5050 5050						



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOLANO COUNTY 5-21.11						SOLANO COUNTY 5-21.11					
7N/01E-15P01M	70.0	10-25-67 3-06-68	(4) (0)		5001 5050	7N/01W-05R01M	170.0	10-17-67 3-14-68	(1) 60.7	109.3	5001 5001
7N/01E-16A01M	79.0	10-25-67 3-06-68	18.6 21.5	60.4 57.5	5001 5001	7N/01W-06E01M	157.0	10-17-67 4-08-68	47.6 47.4	109.4 109.6	5001 5001
7N/01E-17R01M	77.0	10-26-67 3-08-68	8.9 9.0	68.1 68.0	5001 5001	7N/01W-13A01M	103.0	10-26-67 3-08-68	16.9 16.9	86.1 86.1	5001 5001
7N/01E-20D01M	85.0	10-26-67 3-08-68	9.2 10.0	75.8 75.0	5001 5001	7N/01W-13H01M	105.0	10-26-67 3-08-68	18.9 18.6	86.1 86.4	5001 5001
7N/01E-21A01M	74.0	10-25-67 3-06-68	20.2 19.9	53.8 54.1	5001 5001	7N/01W-15G01M	128.0	10-26-67 3-11-68	35.8 18.9	92.2 109.1	5001 5001
7N/01E-21A02M	74.0	10-25-67 3-06-68	14.3 13.7	59.7 60.3	5001 5001	7N/01W-16G01M	230.0	10-26-67 3-11-68	118.3 119.9	111.7 110.1	5001 5001
7N/01E-22D03M	71.0	10-25-67 3-06-68	47.5 25.9	23.5 45.1	5001 5001	7N/01W-17Q01M	225.0	10-26-67 3-08-68	(7) 49.3	175.7	5001 5001
7N/01E-24M03M	55.0	10-25-67 3-06-68	35.3 35.9	19.7 19.1	5001 5001	7N/01W-21G01M	154.0	10-26-67 3-08-68	61.3 58.9	92.7 95.1	5001 5001
7N/01E-26Q02M	55.0	10-25-67 3-06-68	49.7 26.3	5.3 28.7	5001 5001	7N/01W-21Q01M	150.0	10-26-67 3-08-68 (3)	33.5 24.2	116.5 125.8	5001 5001
7N/01E-29P01M	74.0	10-25-67 (4) 3-08-68	21.8 10.0	52.2 64.0	5001 5001	7N/01W-28B01M	155.0	10-26-67	(0)		5001
7N/01E-30M01M	87.0	10-26-67 3-08-68	20.1 17.9	66.9 69.1	5001 5001	7N/01W-34K01M	125.0	10-12-67 3-06-68	54.3 54.8	70.7 70.2	5109 5109
7N/01E-33A01M	65.0	10-25-67 3-06-68	46.3 24.6	18.7 40.4	5001 5001	7N/01W-35R01M	91.0	10-26-67 3-08-68	19.6 18.6	71.4 72.4	5001 5001
7N/01E-33R01M	60.0	10-23-67 11-17-67 3-21-68 4-16-68 5-16-68 9-18-68	7.7 8.4 6.4 6.5 5.9 8.7	52.3 51.6 53.6 53.5 54.1 51.3	5050 5050 5050 5050 5050 5050	8N/01E-15P01M	84.0	10-20-67 3-07-68	43.9 33.9	40.1 50.1	5001 5001
7N/02E-02B02M	34.0	10-24-67 3-04-68	69.2 55.0	-35.2 -21.0	5001 5001	8N/01E-17K01M	100.0	10-20-67 3-14-68	42.6 40.6	57.4 59.4	5001 5001
7N/02E-04A02M	50.0	10-25-67 3-06-68	87.5 67.4	-37.5 -17.4	5001 5001	8N/01E-19K01M	104.0	10-19-67 3-14-68	43.8 40.7	60.2 63.3	5001 5001
7N/02E-04M03M	52.5	10-24-67 3-06-68	87.4 72.0	-34.9 -19.5	5001 5001	8N/01E-20G01M	98.0	10-19-67 3-14-68	41.4 35.3	56.6 62.7	5001 5001
7N/02E-07G03M	55.0	10-24-67 3-05-68	38.5 34.8	16.5 20.2	5001 5001	8N/01E-22N01M	83.0	10-20-67 2-12-68	32.9 27.7	50.1 55.3	5001 5001
7N/02E-09F01M	51.0	10-24-67 3-05-68	89.3 81.3	-38.3 -30.3	5001 5001	8N/01E-23C01M	84.2	10-20-67 3-07-68	47.2 44.1	37.0 40.1	5001 5001
7N/02E-12C01M	27.0	10-24-67 3-05-68	68.5 56.8	-41.5 -29.8	5001 5001	8N/01E-23Q01M	73.0	10-20-67 3-07-68	41.9 36.5	31.1 36.5	5001 5001
7N/02E-12C02M	28.0	10-24-67 3-05-68	71.5 56.8	-43.5 -28.8	5001 5001	8N/01E-24Q01M	68.0	10-26-67 3-07-68	62.6 41.4	5.4 26.6	5001 5001
7N/02E-14F02M	31.0	10-24-67 3-05-68	77.6 64.8	-46.6 -33.8	5001 5001	8N/01E-27G02M	80.0	10-20-67 3-07-68	(1) 30.3	49.7	5001 5001
7N/02E-15J01M	34.0	10-24-67 3-04-68	76.9 DRY	-42.9	5001 5001	8N/01E-28G01M	92.0	10-20-67 3-11-68	32.8 32.7	59.2 59.3	5001 5001
7N/02E-19E02M	50.3	10-25-67 3-05-68	53.8 45.8	-3.5 4.5	5001 5001	8N/01E-29D01M	103.0	10-19-67 3-07-68	40.1 36.1	62.9 66.9	5001 5001
7N/02E-21F02M	46.0	10-24-67 3-05-68	82.3 69.3	-36.3 -23.3	5001 5001	8N/01E-30G02M	110.0	10-19-67 3-07-68	42.2 38.4	67.8 71.6	5001 5001
7N/02E-24N02M	23.0	10-20-67 11-17-67 3-21-68 4-16-68 5-15-68 9-18-68	32.0 32.3 31.5 31.1 32.1 35.3	-9.0 -9.3 -8.5 -8.1 -9.1 -12.3	5050 5050 5050 5050 5050 5050	8N/01E-32E01M	100.0	10-20-67 3-11-68	31.8 31.9	68.2 68.1	5001 5001
7N/02E-26Q01M	27.5	10-24-67 3-05-68	44.0 38.1	-16.5 -10.6	5001 5001	8N/01E-33A01M	84.0	10-20-67 3-07-68	(1) 25.0	59.0	5001 5001
7N/02E-26Q02M	27.5	10-24-67 3-05-68	45.9 40.2	-18.4 -12.7	5001 5001	8N/01E-33H01M	82.0	10-20-67 3-07-68	24.1 25.0	57.9 57.0	5001 5001
7N/02E-30N03M	43.0	10-25-67 3-05-68	63.3 49.7	-20.3 -6.7	5001 5001	8N/01E-33Q02M	86.0	10-20-67 (1) 11-17-67 3-21-68 (3) 4-16-68 5-15-68 9-18-68 (3)	23.7 24.6 26.6 25.1 24.8 25.3	62.3 61.4 59.4 60.9 61.2 60.7	5050 5050 5050 5050 5050 5050
7N/02E-33D02M	33.0	10-24-67 3-05-68	78.8 51.0	-45.8 -18.0	5001 5001	8N/01E-33Q03M	85.7	10-20-67 3-11-68	20.9 24.7	64.8 61.0	5001 5001
7N/02E-34C02M	35.0	10-24-67 3-05-68	71.2 53.1	-36.2 -18.1	5001 5001	8N/01E-35K01M	73.0	10-20-67 3-11-68	67.0 37.1	6.0 35.9	5001 5001
7N/01W-01E02M	103.0	10-20-67 3-11-68	24.5 23.6	78.5 79.4	5001 5001	8N/02E-19F01M	70.0	10-20-67 3-11-68	73.3 51.2	-3.3 18.8	5001 5001
7N/01W-01E03M	103.0	10-20-67 3-11-68	26.9 25.1	76.1 77.9	5001 5001	8N/02E-24N01M	37.5	10-20-67 3-14-68	45.0 33.0	-7.5 4.5	5001 5001
7N/01W-04D01M	145.0	10-17-67 3-14-68	43.1 45.2	101.9 99.8	5001 5001	8N/02E-25B01M	35.0	10-20-67 11-17-67 3-21-68 4-16-68 5-15-68 9-18-68	46.7 41.2 32.5 45.1 (7) 62.4	-11.7 -6.2 2.5 -10.1 5050 -27.4	5050 5050 5050 5050 5050 5050

TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOLANO COUNTY 5-21.11						MOKELUMNE RIVER AREA 5-22.01					
8N/02E-27C01M	50.0	10-20-67 3-14-68	52.7 40.0	-2.7 10.0	5001 5001	2N/06E-04E01M	17.0	10-01-67 4-01-68	30.1 28.2	-13.1 -11.2	5110 5110
8N/02E-27Q02M	45.0	10-24-67 3-05-68	60.1 46.8	-15.1 -1.8	5001 5001	2N/06E-04F01M	18.0	10-01-67 4-01-68	29.0 28.1	-11.0 -10.1	5110 5110
8N/02E-29K01M	55.0	10-20-67 3-14-68	53.2 43.5	1.8 11.5	5001 5001	2N/06E-08C02M	13.0	10-01-67 4-01-68	20.7 19.8	-7.7 -6.8	5110 5110
8N/02E-30N02M	62.0	10-20-67 3-11-68	(1) 51.8		5001 5001	2N/06E-08F01M	9.6	10-25-67 1-18-68 3-19-68	22.8 22.2 21.8	-13.2 -12.6 -12.2	5110 5050 5110
8N/02E-31D01M	65.0	10-20-67 3-11-68	56.7 41.7	8.3 23.3	5001 5001	2N/06E-09C02M	18.0	10-16-67 10-28-67 3-08-68	(1) 29.4 25.9		5050 5050 5050
8N/02E-32M01M	60.3	10-25-67 3-06-68	61.7 54.9	-1.4 5.4	5001 5001	2N/06E-11E11M	23.5	10-02-67 3-01-68	16.0 28.6	7.5 -5.1	8201 8201
8N/02E-35F03M	41.0	10-27-67 3-14-68	66.6 (4)	-25.6	5001 5001	2N/06E-12N01M	31.8	10-13-67 3-11-68	28.9 37.0	2.9 -5.2	5050 5050
8N/02E-35G02M	35.0	10-24-67 3-05-68	62.6 49.6	-27.6 -14.6	5001 5001	2N/06E-13M01M	26.7	10-19-67 3-06-68	30.0 35.8	-3.3 -9.1	5110 5110
8N/01W-22J01M	89.8	10-18-67 3-12-68	(7) (9)		5001 5001	2N/06E-13R02M	30.0	10-19-67 3-06-68	44.0 46.3	-14.0 -16.3	5110 5110
8N/01W-22P01M	129.0	10-17-67 3-14-68	50.1 44.0	78.9 85.0	5001 5001	2N/06E-15J01M	20.3	10-25-67 3-19-68	28.2 32.7	-7.9 -12.4	5110 5110
8N/01W-22R02M	125.5	10-19-67 3-14-68	46.4 45.0	79.1 80.5	5001 5001	2N/06E-16C01M	14.0	10-16-67	(6)		5050
8N/01W-23B01M	123.1	10-19-67 3-07-68	41.7 40.2	81.4 82.9	5001 5001	2N/06E-16E03M	12.0	10-01-67 4-01-68	44.9 38.3	-32.9 -26.3	5110 5110
8N/01W-24P01M	117.0	10-19-67 3-07-68	43.1 40.0	73.9 77.0	5001 5001	2N/06E-16L01M	11.5	10-25-67 3-19-68	36.4 34.0	-24.9 -22.5	5110 5110
8N/01W-25A02M	114.0	10-19-67 3-07-68	44.7 39.6	69.3 74.4	5001 5001	2N/06E-17A01M	12.0	10-01-67 4-01-68	33.4 29.3	-21.4 -17.3	5110 5110
8N/01W-26A01M	120.0	10-19-67 3-07-68	48.7 45.3	71.3 74.7	5001 5001	2N/06E-17J01M	11.2	11-15-67 (4) 3-12-68	33.9 32.2	-22.7 -21.0	5050 5050
8N/01W-26D05M	126.2	10-16-67 3-04-68	46.1 42.4	80.1 83.8	5001 5001	2N/06E-20A01M	7.5	11-15-67 3-12-68 (4)	33.6 34.4	-26.1 -26.9	5050 5050
8N/01W-26K02M	116.0	10-19-67 3-14-68	40.3 (9)	75.7	5001 5001	2N/06E-20F01M	14.8	11-15-67 3-12-68	22.7 21.6	-7.9 -6.8	5050 5050
8N/01W-27H01M	123.0	10-17-67 3-07-68	47.8 (8)	75.2	5001 5001	2N/06E-20J01M	7.0	10-01-67 4-01-68	42.2 35.3	-35.2 -28.3	5110 5110
8N/01W-27L01M	133.0	10-17-67 3-14-68	44.9 40.4	88.1 92.6	5001 5001	2N/06E-20L01M	4.0	10-01-67 4-01-68	38.0 29.5	-34.0 -25.5	5110 5110
8N/01W-28J01M	138.0	10-20-67 11-17-67 3-21-68 4-16-68 5-15-68 9-18-68	49.2 46.2 41.3 42.7 51.3 51.2	88.8 91.8 96.7 95.3 86.7 86.8	5050 5050 5050 5050 5050 5050	2N/06E-21C01M	10.0	10-01-67 4-01-68	47.3 43.1	-37.3 -33.1	5110 5110
8N/01W-28J02M	138.0	10-17-67 3-14-68	44.9 41.8	93.1 96.2	5001 5001	2N/06E-21C02M	10.0	10-01-67 4-01-68	48.3 41.5	-38.3 -31.5	5110 5110
8N/01W-28K01M	105.5	10-17-67 3-04-68	6.0 5.0	99.5 100.5	5001 5001	2N/06E-21F01M	10.0	10-01-67 4-01-68	52.9 42.9	-42.9 -32.9	5110 5110
8N/01W-28R03M	140.0	10-17-67 3-14-68	44.2 41.4	95.8 98.6	5001 5001	2N/06E-21G01M	11.0	10-01-67 4-01-68	46.4 40.5	-35.4 -29.5	5110 5110
8N/01W-32H01M	140.0	10-17-67 3-14-68	39.9 37.1	100.1 102.9	5001 5001	2N/06E-21K01M	13.0	10-27-67 2-27-68	59.0 57.0	-46.0 -44.0	4701 4701
8N/01W-33A01M	134.7	10-16-67 3-14-68	39.7 38.2	95.0 96.5	5001 5001	2N/06E-21P01M	11.0	10-27-67 2-27-68	61.0 39.0	-50.0 -28.0	4701 4701
8N/01W-33B02M	136.0	10-17-67 3-12-68	41.7 40.6	94.3 95.4	5001 5001	2N/06E-22B01M	17.0	10-27-67 2-27-68	44.0 40.0	-27.0 -23.0	4701 4701
8N/01W-33N01M	130.8	10-17-67 3-14-68	37.2 36.0	93.6 94.8	5001 5001	2N/06E-22D01M	17.2	11-15-67 3-12-68	42.1 41.2	-24.9 -24.0	5050 5050
8N/01W-34A01M	120.0	10-17-67 3-12-68	45.9 39.3	74.1 80.7	5001 5001	2N/06E-24J02M	30.1	10-19-67 3-06-68	53.6 52.1	-23.5 -22.0	5110 5110
8N/01W-34H01M	121.0	10-26-67 3-08-68	(7) 37.6		5001 5001	2N/06E-24J03M	26.8	10-13-67 3-11-68	46.0 46.9	-19.2 -20.1	5050 5050
8N/01W-35G02M	111.0	10-26-67 3-08-68	34.9 33.3	76.1 77.7	5001 5001	2N/06E-26H01M	22.8	10-19-67 3-06-68	56.3 52.5	-33.5 -29.7	5110 5110
8N/01W-36H01M	102.0	10-26-67 3-08-68	28.4 25.9	73.6 76.1	5001 5001	2N/06E-27B01M	16.0	10-27-67 2-27-68	60.0 51.0	-44.0 -35.0	4701 4701
SAN JOAQUIN VALLEY 5-22.00						MOKELUMNE RIVER AREA 5-22.01					
2N/06E-01A01M	37.6	10-13-67 3-11-68	42.8 41.7	-5.2 -4.1	5050 5050	2N/06E-28E03M	7.2	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-30-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	32.9 28.6 27.2 28.2 27.4 27.4 34.6 34.2 39.6 39.4 37.7 37.9	-25.7 -21.4 -20.0 -21.0 -20.2 -20.2 -27.4 -27.0 -32.4 -32.2 -30.5 -30.7	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
2N/06E-03D03M	22.0	10-25-67 1-18-68 3-19-68	31.0 29.7 32.9	-9.0 -7.7 -10.9	5110 5050 5110	2N/06E-28P01M	7.0	10-16-67 3-06-68	26.7 23.3	-19.7 -16.3	5050 5050



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MOKELUMNE RIVER AREA 5-22.01						MOKELUMNE RIVER AREA 5-22.01					
2N/06E-29N01M	1.0	10-16-67 3-06-68	11.3 10.3	-10.3 -9.3	5050 5050	3N/07E-02G01M	84.0	10-25-67 11-28-67 12-27-67 1-26-68 2-27-68 3-22-68 4-26-68 5-27-68 6-26-68 7-26-68 8-27-68 9-25-68	77.8 75.7 74.6 73.6 72.8 72.3 77.4 79.1 82.5 84.4 83.4 81.5	6.2 8.3 9.4 10.4 11.2 11.7 6.6 4.9 1.5 -0.4 0.6 2.5	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
3N/05E-03J01M	7.0	10-10-67 3-07-68	(1) 7.5	-0.5	5050 5050	3N/07E-03C01M	83.2	10-05-67 1-05-68	DRY DRY		8201 8201
3N/05E-13L01M	12.0	10-25-67 3-18-68 4-11-68	17.5 (4) (1)	-5.5	5110 5110 5050	3N/07E-03R01M	74.8	10-24-67 3-19-68	72.6 65.6	2.2 9.2	5110 5110
3N/05E-14C01M	6.7	10-25-67 3-19-68	7.0 3.9	-0.3 2.8	5110 5110	3N/07E-06Q04M	57.0	10-24-67 3-19-68	46.0 43.5	11.0 13.5	5110 5110
3N/05E-24L01M	8.0	10-10-67 3-07-68	16.5 11.8	-8.5 -3.8	5050 5050	3N/07E-07M01M	52.6	10-04-67 3-01-68	49.5 45.4	3.1 7.2	8201 8201
3N/06E-01J01M	51.8	10-02-67 3-01-68	35.5 34.7	16.3 17.1	8201 8201	3N/07E-08B12M	64.4	10-04-67 3-01-68	56.9 52.8	7.5 11.6	8201 8201
3N/06E-01N02M	46.8	10-02-67 3-01-68	37.0 34.5	9.8 12.3	8201 8201	3N/07E-08E02M	60.0	10-24-67 3-19-68	61.0 56.3	-1.0 3.7	5110 5110
3N/06E-01R13M	53.1	10-02-67 3-01-68	43.1 40.2	10.0 12.9	8201 8201	3N/07E-09C01M	68.3	10-24-67 3-21-68 4-11-68	65.0 (9) 66.7	3.3 5110 1.6	5110 5110 5050
3N/06E-03K11M	41.0	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	28.0 27.7 27.9 28.2 28.0 27.9 29.6 28.8 29.4 30.2 29.3 28.9	13.0 13.3 13.1 12.8 13.0 13.1 11.4 12.2 11.6 10.8 11.7 12.1	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	3N/07E-10L04M	72.8	10-05-67 11-01-67 12-01-67 1-04-68 2-01-68 3-01-68 4-02-68 5-01-68 6-03-68 7-01-68 8-01-68 9-03-68	73.6 71.8 70.1 68.9 68.2 67.1 68.4 75.0 76.4 (1) 80.9 77.3	-0.8 1.0 2.7 3.9 4.6 5.7 4.4 -2.2 -3.6 8201 -8.1 -4.5	8201 8201 8201 8201 8201 8201 8201 8201 8201 8201 8201
3N/06E-04C01M	35.0	10-10-67 3-07-68	18.5 20.7	16.5 14.3	5050 5050	3N/07E-12P01M	77.0	10-11-67 3-06-68	86.0 77.8	-9.0 -0.8	5050 5050
3N/06E-07H03M	23.4	10-25-67 3-19-68	21.9 21.1	1.5 2.3	5110 5110	3N/07E-17K02M	57.0	10-24-67 3-19-68	65.0 58.0	-8.0 -1.0	5110 5110
3N/06E-09F06M	32.0	10-25-67 3-19-68	25.5 27.0	6.5 5.0	5110 5110	3N/07E-18D12M	50.0	10-16-67 3-06-68	51.8 47.5	-1.8 2.5	5050 5050
3N/06E-12P01M	45.0	10-25-67 3-19-68	49.0 45.0	-4.0 0.0	5110 5110	3N/07E-18N12M	47.4	10-04-67 3-01-68	53.5 46.7	-6.1 0.7	8201 8201
3N/06E-12Q32M	48.8	10-02-67 3-01-68	47.8 45.4	1.0 3.4	8201 8201	3N/07E-19N02M	42.0	10-13-67 3-11-68	52.0 45.6	-10.0 -3.6	5050 5050
3N/06E-13R08M	45.6	10-13-67 3-11-68	50.9 45.4	-5.3 0.2	5050 5050	3N/07E-20P02M	49.9	10-24-67 3-21-68	61.0 66.0	-11.1 -16.1	5110 5110
3N/06E-17D11M	23.8	10-02-67 3-01-68	29.5 25.9	-5.7 -2.1	8201 8201	3N/07E-22C11M	66.6	10-05-67 3-01-68	77.0 70.6	-10.4 -4.0	8201 8201
3N/06E-20Q01M	18.0	10-25-67 3-19-68 4-11-68	38.5 33.5 30.7	-20.5 -15.5 -12.7	5110 5110 5050	3N/07E-23C02M	72.0	10-24-67 11-07-67 3-19-68	(1) 77.6 72.0		5110 5050 5110
3N/06E-22D01M	27.0	10-25-67 3-19-68	32.0 29.3	-5.0 -2.3	5110 5110	3N/07E-25C01M	70.1	10-20-67 3-21-68	80.8 81.8	-10.7 -11.7	5110 5110
3N/06E-24M01M	39.9	10-16-67 3-06-68	44.8 42.3	-4.9 -2.4	5050 5050	3N/07E-25G01M	75.7	10-20-67 3-18-68	91.0 79.5	-15.3 -3.8	5110 5110
3N/06E-25H11M	41.0	10-04-67 3-01-68	52.2 45.8	-11.2 -4.8	8201 8201	3N/07E-27F13M	61.1	10-04-67 3-01-68	74.6 68.1	-13.5 -7.0	8201 8201
3N/06E-25R05M	39.6	10-13-67 3-11-68	50.4 45.2	-10.8 -5.6	5050 5050	3N/07E-31B01M	41.0	10-24-67 3-21-68	60.0 49.5	-19.0 -8.5	5110 5110
3N/06E-26P02M	32.4	10-25-67 3-19-68	36.6 35.6	-4.2 -3.2	5110 5110	3N/08E-03R01M	146.0	10-23-67 3-18-68	92.5 93.0	53.5 53.0	5110 5110
3N/06E-27E01M	25.3	10-25-67 3-19-68	36.5 32.9	-11.2 -7.6	5110 5110	3N/08E-04Q01M	120.6	10-06-67 1-08-68	117.2 115.3	3.4 5.3	8201 8201
3N/06E-29C01M	17.2	10-25-67 3-19-68	39.5 30.0	-22.3 -12.8	5110 5110	3N/08E-05B02M	108.0	10-06-67 1-08-68	106.6 101.3	1.4 6.7	8201 8201
3N/06E-30R01M	12.0	10-25-67 3-19-68	29.0 22.3	-17.0 -10.3	5110 5110	3N/08E-05K11M	107.5	10-06-67 1-08-68	111.4 106.2	-3.9 1.3	8201 8201
3N/06E-32R01M	15.0	10-25-67 3-19-68	31.0 25.8	-16.0 -10.8	5110 5110	3N/08E-07D02M	86.0	10-11-67 3-06-68	(1) (1)		5050 5050
3N/06E-35P02M	28.4	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	28.5 29.1 29.7 30.3 30.8 31.1 32.3 31.7 33.5 27.9 26.3 25.3	-0.1 -0.7 -1.3 -1.9 -2.4 -2.7 -3.9 -3.3 -5.1 0.5 2.1 3.1	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	3N/08E-08E01M	95.8	10-23-67 3-18-68	(7) 94.7		5110 5110
3N/06E-36R02M	38.0	10-04-67 3-01-68	44.6 42.1	-6.6 -4.1	8201 8201	3N/08E-09Q11M	126.3	10-06-67 1-08-68	129.3 127.6	-3.0 -1.3	8201 8201
3N/07E-02C02M	84.6	10-06-67 3-01-68	58.8 57.0	25.8 27.6	8201 8201	3N/08E-15L01M	127.7	10-06-67 1-08-68	129.7 126.6	-2.0 1.1	8201 8201

TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MOKELUMNE RIVER AREA 5-22.01						MOKELUMNE RIVER AREA 5-22.01					
3N/08E-19C01M	82.0	10-20-67 3-18-68	108.5 88.4	-26.5 -6.4	5110 5110	4N/06E-13C01M	56.0	10-19-67 3-04-68	63.0 56.5	-7.0 -0.5	5110 5110
3N/08E-20B01M	97.0	10-25-67 11-28-67 12-27-67 1-26-68 2-27-68 3-22-68 4-26-68 5-27-68 6-26-68 7-26-68 8-26-68 9-25-68	108.6 106.0 104.7 103.4 102.8 102.2 105.8 107.5 110.9 113.1 113.0 111.9	-11.6 -9.0 -7.7 -6.4 -5.8 -5.2 -8.8 -10.5 -13.9 -16.1 -16.0 -14.9	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	4N/06E-15B02M	40.0	10-20-67 3-25-68	42.9 36.7	-2.9 3.3	5110 5110
3N/08E-20K01M	92.7	10-05-67 1-04-68	102.2 99.5	-9.5 -6.8	8201 8201	4N/06E-17D01M	23.8	10-20-67 3-04-68	18.0 18.5	5.8 5.3	5110 5110
3N/08E-22A01M	136.5	10-23-67 3-18-68 4-11-68	136.1 5110 132.5	0.4 5110 4.0	5110 5110 5050	4N/06E-19F01M	21.8	10-10-67 3-07-68	12.6 12.6	9.2 9.2	5050 5050
3N/08E-30H01M	84.9	10-20-67 3-18-68	99.6 87.7	-14.7 -2.8	5110 5110	4N/06E-19R11M	26.7	10-03-67 3-01-68	14.1 15.5	12.6 11.2	8201 8201
4N/05E-01H11M	19.9	10-16-67 3-07-68	19.6 17.2	0.3 2.7	5050 5050	4N/06E-21D01M	31.0	10-10-67 3-07-68	18.6 19.9	12.4 11.1	5050 5050
4N/05E-03D02M	7.8	10-20-67 3-04-68	13.0 8.0	-5.2 -0.2	5110 5110	4N/06E-22M01M	38.2	10-20-67 3-04-68	23.5 25.5	14.7 12.7	5110 5110
4N/05E-05C02M	5.0	10-20-67 3-04-68	(9) (9)		5110 5110	4N/06E-23M01M	45.2	10-03-67 3-01-68	37.6 34.3	7.6 10.9	8201 8201
4N/05E-05H01M	4.0	10-20-67 3-04-68 4-11-68	6.0 (8) 4.8	-2.0 5110 -0.8	5110 5110 5050	4N/06E-24F01M	55.0	10-19-67 3-04-68	54.3 51.0	0.7 4.0	5110 5110
4N/05E-09D01M	0.0	10-20-67 3-04-68	3.8 2.8	-3.8 -2.8	5110 5110	4N/06E-25R01M	55.0	10-19-67 3-04-68	41.2 42.0	13.8 13.0	5110 5110
4N/05E-10K01M	6.3	10-20-67 3-04-68 4-11-68	7.8 (8) 5.3	-1.5 5110 1.0	5110 5110 5050	4N/06E-27D02M	34.5	10-20-67 3-04-68	12.0 13.5	22.5 21.0	5110 5110
4N/05E-13H01M	19.6	10-20-67 3-04-68 4-11-68	16.4 14.1 12.2	3.2 5.5 7.4	5110 5110 5050	4N/06E-29A01M	33.0	10-20-67 3-04-68	13.7 18.7	19.3 14.3	5110 5110
4N/05E-16K01M	2.0	10-10-67 3-07-68	4.4 4.8	-2.4 -2.8	5050 5050	4N/06E-29N02M	26.0	10-20-67 3-04-68	15.8 16.0	10.2 10.0	5110 5110
4N/05E-22A01M	8.2	10-20-67 3-04-68 4-11-68	(8) 9.1 4.2	5110 5110 4.0	5110 5110 5050	4N/06E-31P01M	24.0	10-20-67 3-04-68	12.8 15.5	11.2 8.5	5110 5110
4N/05E-24C02M	14.0	10-20-67 3-04-68 4-11-68	7.4 8.0 6.9	6.6 6.0 7.1	5110 5110 5050	4N/06E-33B04M	36.0	10-10-67 3-07-68	16.1 20.1	19.9 15.9	5050 5050
4N/05E-26K02M	13.0	10-20-67 10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-04-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	4.1 4.0 5.7 6.4 6.9 5.4 6.0 4.8 4.2 4.7 3.0 3.7 4.1 5.6	8.9 9.0 7.3 6.6 6.1 7.6 7.0 8.2 8.8 8.3 10.0 9.3 8.9 7.4	5110 5050 5050 5050 5050 5050 5110 5050 5050 5050 5050 5050 5050 5050	4N/06E-34R30M	43.2	10-02-67 3-01-68	23.8 23.7	19.4 19.5	8201 8201
4N/05E-36P01M	16.0	10-20-67 3-04-68 4-11-68	(4) (4) 10.2	5110 5110 5.8	5110 5110 5050	4N/06E-36D02M	49.1	10-03-67 3-01-68	28.4 29.8	20.7 19.3	8201 8201
4N/06E-03A12M	48.3	10-03-67 1-03-68	59.4 55.6	-11.1 -7.3	8201 8201	4N/07E-01B01M	105.0	10-06-67 3-06-68 8-07-68	90.9 96.3 (3)	14.1 8.7 5050	5001 5001 5050
4N/06E-05Q01M	30.0	10-16-67 3-07-68	(1) 29.6	5050 0.4	5050 5050	4N/07E-03B01M	93.2	10-06-67 3-06-68 8-07-68	109.7 89.7 (1)	-16.5 3.5 5050	5001 5001 5050
4N/06E-05R11M	34.0	10-16-67 3-07-68	41.4 33.3	-7.4 0.7	5050 5050	4N/07E-04B12M	85.0	10-19-67 3-04-68	92.7 (4)	-7.7 5110	5110 5110
4N/06E-06N12M	21.0	10-16-67 3-07-68	21.9 20.3	-0.9 0.7	5050 5050	4N/07E-04Q12M	83.4	10-05-67 1-05-68	94.9 (3)	-11.5 8201	8201 8201
4N/06E-07B11M	26.0	10-16-67 3-07-68	25.1 23.6	0.9 2.4	5050 5050	4N/07E-07A01M	68.0	10-19-67 3-21-68 4-11-68	(1) (7) 74.5	5110 5110 -6.5	5110 5110 5050
4N/06E-11B01M	47.0	10-04-67 3-05-68 8-06-68	63.3 56.5 (3)	-16.3 -9.5 5050	5001 5001 5050	4N/07E-07H02M	67.9	10-03-67	(0)	8201	8201
4N/06E-12C04M	55.0	10-20-67 3-05-68	74.5 66.5	-19.5 -11.5	5110 5110	4N/07E-07H11M	67.6	1-03-68	76.6	-9.0	8201
4N/06E-12N02M	52.0	10-20-67 3-04-68	62.8 57.8	-10.8 -5.8	5110 5110	4N/07E-09D12M	77.4	10-05-67 1-05-68	89.1 82.4	-11.7 -5.0	8201 8201
4N/06E-12R11M	57.9	10-04-67 3-01-68	74.8 63.7	-16.9 -5.8	8201 8201	4N/07E-12E01M	105.7	10-24-67 3-20-68	116.7 97.2	-11.0 8.5	5110 5110
						4N/07E-14E01M	93.1	10-24-67 3-20-68	88.5 72.7	4.6 20.4	5110 5110
						4N/07E-14Q02M	98.0	10-11-67 3-07-68	98.9 87.1	-0.9 10.9	5050 5050
						4N/07E-15B11M	91.2	10-06-67 3-01-68	92.7 88.2	-1.5 3.0	8201 8201
						4N/07E-17N01M	67.0	10-19-67 3-04-68	75.8 72.3	-8.8 -5.3	5110 5110
						4N/07E-18M01M	57.8	10-24-67 11-27-67 12-26-67 1-25-68 2-27-68 3-21-68 4-25-68 5-24-68 6-26-68 7-25-68 8-26-68 9-24-68	65.9 64.0 62.4 61.0 59.9 59.1 60.6 64.0 70.3 70.8 70.7 68.6	-8.1 -6.2 -4.6 -3.2 -2.1 -1.3 -2.8 -6.2 -12.5 -13.0 -12.9 -10.8	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
						4N/07E-18P30M	61.4	10-04-67 3-01-68	66.2 59.3	-4.8 2.1	8201 8201
						4N/07E-19K01M	62.4	10-19-67 3-04-68	66.5 66.0	-4.1 -3.6	5110 5110



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
MOKELUMNE RIVER AREA 5-22.01						MOKELUMNE RIVER AREA 5-22.01					
4N/07E-21F01M	78.2	10-24-67	76.5	1.7	5110	4N/08E-35P01M	196.0	10-23-67	92.4	103.6	5110
		3-20-68	69.8	8.4	5110			3-20-68	91.0	105.0	5110
4N/07E-22Q05M	83.8	10-05-67	76.1	7.7	8201	4N/08E-36P01M	209.0	10-25-67	197.1	11.9	5050
		3-01-68	69.4	14.4	8201			11-28-67	197.0	12.0	5050
4N/07E-25G15M	88.8	10-06-67	79.8	9.0	8201			12-27-67	197.1	11.9	5050
		3-01-68	72.3	16.5	8201			1-26-68	196.6	12.4	5050
4N/07E-27P01M	81.5	10-05-67	39.6	41.9	8201			2-27-68	197.1	11.9	5050
		3-01-68	41.9	39.6	8201			3-22-68	197.3	11.7	5050
4N/07E-28J02M	74.8	10-24-67	70.0	4.8	5110			4-26-68	197.2	11.8	5050
		3-20-68	68.0	6.8	5110			5-27-68	198.7	10.3	5050
4N/07E-29H01M	70.6	10-05-67	63.6	7.0	8201	4N/09E-06L11M	125.6	10-10-67	11.3	114.3	8201
		4-02-68	57.2	13.4	8201			1-09-68	8.5	117.1	8201
4N/07E-30E04M	57.2	10-04-67	49.2	8.0	8201	4N/09E-07K02M	172.7	10-10-67	34.2	138.5	8201
		3-01-68	44.6	12.6	8201			1-11-68	34.3	138.4	8201
4N/07E-31M13M	55.2	10-04-67	31.9	23.3	8201	4N/09E-15M11M	191.6	10-11-67	46.8	144.8	8201
		3-01-68	32.7	22.5	8201			1-10-68	45.5	146.1	8201
4N/07E-31N11M	45.9	10-04-67	12.4	33.5	8201	4N/09E-16D13M	191.4	10-13-67	4.1	187.3	8201
		3-01-68	17.2	28.7	8201			3-06-68	3.8	187.6	8201
4N/07E-33H01M	73.4	10-24-67	39.9	33.5	5110	4N/09E-20M01M	238.8	10-13-67	143.6	95.2	8201
		3-20-68	38.4	35.0	5110			1-12-68	142.8	96.0	8201
4N/07E-34F11M	61.6	10-05-67	15.5	46.1	8201	4N/09E-21A01M	216.4	10-13-67	58.7	157.7	8201
		3-01-68	17.9	43.7	8201			1-10-68	58.4	158.0	8201
4N/07E-34L03M	85.6	10-05-67	43.1	42.5	8201	4N/09E-28C02M	313.4	10-13-67	136.0	177.4	8201
		3-01-68	45.1	40.5	8201			1-12-68	136.2	177.2	8201
4N/07E-36L01M	90.0	10-23-67	(1)		5110	4N/09E-31M01M	250.0	10-23-67	218.2	31.8	5110
		3-20-68	78.4	11.6	5110			3-20-68	218.2	31.8	5110
4N/08E-01K01M	170.7	10-10-67	100.8	69.9	8201	5N/05E-28L03M	6.0	10-20-67	8.0	-2.0	5110
		1-09-68	100.6	70.1	8201			3-04-68	6.0	0.0	5110
4N/08E-04N01M	140.0	10-24-67	139.0	1.0	5110	5N/05E-32M01M	1.5	10-20-67	6.7	-5.2	5110
		3-20-68	(3)		5110			3-04-68	6.7	-5.2	5110
		4-11-68	129.5	10.5	5050	5N/06E-36R01M	63.1	10-20-67	85.9	-22.8	5110
4N/08E-04P13M	139.5	10-10-67	122.0	17.5	8201			3-04-68	78.4	-15.3	5110
		1-09-68	119.2	20.3	8201	5N/07E-31J01M	71.5	10-06-67	87.7	-16.2	5001
4N/08E-06C02M	105.0	10-25-67	105.0	0.0	5050			10-20-67	82.0	-10.5	5110
		11-28-67	100.0	5.0	5050			3-04-68	80.0	-8.5	5110
		12-27-67	97.4	7.6	5050			3-06-68	78.4	-6.9	5001
		1-26-68	95.2	9.8	5050	5N/07E-34G01M	88.8	10-24-67	104.4	-15.6	5110
		2-27-68	94.0	11.0	5050			3-20-68	97.9	-9.1	5110
		3-22-68	93.0	12.0	5050			4-11-68	89.2	-0.4	5050
		4-26-68	98.7	6.3	5050	5N/08E-16Q01M	125.0	10-10-67	101.1	23.9	5050
		5-27-68	101.4	3.6	5050			3-13-68	(9)		5050
		6-26-68	107.0	-2.0	5050			3-28-68	97.2	27.8	5050
		7-26-68	109.0	-4.0	5050	5N/08E-24Q11M	257.2	10-11-67	183.1	74.1	8201
		8-26-68	110.0	-5.0	5050			4-04-68	173.2	84.0	8201
		9-25-68	109.6	-4.6	5050	5N/08E-25P11M	265.7	10-11-67	198.4	67.3	8201
4N/08E-06N02M	116.0	10-24-67	130.5	-14.5	5110			1-11-68	198.6	67.1	8201
		3-20-68	(3)		5110	5N/08E-31R01M	137.0	10-24-67	(1)		5110
		4-11-68	108.8	7.2	5050			3-20-68	133.8	3.2	5110
4N/08E-14K01M	150.0	10-24-67	113.4	36.6	5110			4-11-68	124.8	12.2	5050
		3-20-68	111.4	38.6	5110	5N/08E-32R11M	162.1	10-11-67	150.8	11.3	8201
4N/08E-17J01M	130.0	10-24-67	(3)		5110			1-10-68	146.1	16.0	8201
		3-20-68	127.3	2.7	5110	5N/08E-34G11M	224.8	10-11-67	194.2	30.6	8201
		4-11-68	111.9	18.1	5050			1-11-68	194.4	30.4	8201
4N/08E-18L12M	122.4	10-10-67	118.2	4.2	8201	5N/08E-35K12M	188.6	10-11-67	139.6	49.0	8201
		1-09-68	110.4	12.0	8201			1-10-68	139.8	48.8	8201
4N/08E-21M01M	114.0	10-23-67	102.1	11.9	5110	CALAVERAS RIVER AREA 5-22.02					
		3-20-68	97.1	16.9	5110	1N/06E-01J01M	22.0	10-27-67	90.0	-68.0	4701
4N/08E-22C01M	126.0	10-24-67	60.2	65.8	5110			2-27-68	74.0	-52.0	4701
		3-20-68	58.2	67.8	5110	1N/06E-01L03M	20.0	1-24-68	70.7	-50.7	5050
4N/08E-24J02M	166.9	10-16-67	123.0	43.9	8201			3-13-68	68.1	-48.1	5050
		1-11-68	123.2	43.7	8201	1N/06E-02C01M	19.0	1-24-68	60.9	-41.9	5050
4N/08E-25L01M	192.9	10-16-67	155.2	37.7	8201			3-13-68	59.4	-40.4	5050
		1-09-68	154.9	38.0	8201	1N/06E-02J02M	17.0	1-24-68	(4) 69.7	-52.7	5050
4N/08E-26A12M	159.3	10-16-67	124.5	34.8	8201			3-13-68	(4) 68.5	-51.5	5050
		1-09-68	123.6	35.7	8201	1N/06E-02M01M	16.0	10-27-67	68.0	-52.0	4701
4N/08E-27J11M	195.4	10-09-67	170.7	24.7	8201			2-27-68	54.0	-38.0	4701
		1-08-68	169.3	26.1	8201	1N/06E-02Q01M	16.0	10-27-67	84.0	-68.0	4701
4N/08E-28H11M	131.2	10-09-67	116.5	14.7	8201			2-27-68	63.0	-47.0	4701
		1-08-68	111.5	19.7	8201	1N/06E-03C01M	10.0	10-27-67	59.0	-49.0	4701
4N/08E-30A11M	70.3	10-09-67	15.8	54.5	8201			2-27-68	48.0	-38.0	4701
		1-08-68	17.3	53.0	8201	1N/06E-03C03M	9.0	11-15-67	50.8	-41.8	5050
4N/08E-32N01M	105.0	10-23-67	(1)		5110			3-12-68	41.7	-32.7	5050
		3-20-68	99.0	6.0	5110						
4N/08E-34E01M	158.7	10-09-67	144.0	14.7	8201						
		1-08-68	141.4	17.3	8201						
4N/08E-34Q11M	162.6	10-09-67	145.6	17.0	8201						
		1-08-68	144.8	17.8	8201						

TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CALAVERAS RIVER AREA 5-22.02						CALAVERAS RIVER AREA 5-22.02					
1N/06E-03J01M	13.0	10-27-67	(0)		4701	1N/07E-18B01M	26.0	10-27-67 2-27-68	98.0 84.0	-72.0 -58.0	4701 4701
1N/06E-03K01M	11.0	1-24-68 3-13-68	45.8 44.0	-34.8 -33.0	5050 5050	1N/08E-02B01M	84.0	10-28-67 3-06-68	101.9 94.0	-17.9 -10.0	5050 5050
1N/06E-04B01M	6.0	10-27-67 2-27-68	61.0 38.0	-55.0 -32.0	4701 4701	1N/08E-02J01M	86.0	10-11-67 3-06-68	106.8 95.9	-20.8 -9.9	5050 5050
1N/06E-04D01M	4.0	10-27-67 2-27-68	44.0 35.0	-40.0 -31.0	4701 4701	1N/08E-03P01M	80.0	10-16-67 3-04-68 4-10-68	104.5 100.5 92.7	-24.5 -20.5 -12.7	5110 5110 5050
1N/06E-04J01M	8.4	11-15-67 3-12-68	36.9 31.1	-28.5 -22.7	5050 5050	1N/08E-05J01M	71.0	10-16-67 3-04-68	(7) 93.5	-22.5	5110 5110
1N/06E-05F01M	0.0	1-23-68 3-06-68	9.9 8.5	-9.9 -8.5	5050 5050	1N/09E-01C01M	191.0	10-16-67 3-04-68	(1) 143.2	47.8	5110 5110
1N/06E-05G04M	2.0	10-16-67	(6)		5050	1N/09E-02D01M	156.0	10-11-67 3-06-68	112.6 113.3	43.4 42.7	5050 5050
1N/06E-10R01M	14.0	2-14-68 3-12-68	51.7 50.8	-37.7 -36.8	5050 5050	1N/09E-05B01M	139.5	10-11-67 3-06-68 (1) 3-28-68	131.0 131.2 128.4	8.5 8.3 11.1	5050 5050 5050
1N/06E-11C01M	14.0	2-09-68 3-13-68	59.4 58.4	-45.4 -44.4	5050 5050	1N/09E-05J01M	153.0	10-16-67 3-04-68 4-09-68	(7) (9) (1)		5110 5110 5050
1N/06E-11K01M	17.0	10-27-67 2-27-68	98.0 73.0	-81.0 -56.0	4701 4701	1N/09E-06B01M	136.0	10-11-67 3-06-68	137.8 132.8	-1.8 3.2	5050 5050
1N/06E-12A01M	23.0	10-27-67 2-27-68	103.0 87.0	-80.0 -64.0	4701 4701	1N/09E-06N01M	118.5	10-11-67 3-05-68 4-10-68	(1) 128.0 120.4	-9.5 -1.9	5110 5110 5050
1N/06E-12C03M	21.0	10-27-67 2-27-68	86.0 65.0	-65.0 -44.0	4701 4701	2N/06E-33N01M	4.0	10-27-67 2-27-68	(7) 33.0	-29.0	4701 4701
1N/06E-12G01M	21.2	11-15-67 3-12-68	88.0 73.0	-66.8 -51.8	5050 5050	2N/06E-34K02M	12.0	10-27-67 2-27-68	60.0 52.0	-48.0 -40.0	4701 4701
1N/06E-12J01M	22.5	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	89.3 87.0 84.1 80.7 78.7 77.6 77.6 78.8 80.8 83.0 87.9 90.1	-66.8 -64.5 -61.6 -58.2 -56.2 -55.1 -55.1 -56.3 -58.3 -60.5 -65.4 -67.6	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	2N/06E-34L01M	15.8	11-15-67 3-12-68	59.8 49.4	-44.0 -33.6	5050 5050
1N/06E-12N01M	19.0	10-27-67 2-27-68	96.0 79.0	-77.0 -60.0	4701 4701	2N/06E-35D02M	17.5	11-15-67 3-12-68	59.5 53.3	-42.0 -35.8	5050 5050
1N/06E-13G01M	19.0	1-17-68 (6) 3-12-68	78.7 66.3	-59.7 -47.3	5050 5050	2N/06E-36A01M	26.0	10-27-67 2-27-68	65.0 61.0	-39.0 -35.0	4701 4701
1N/06E-13J01M	20.0	10-27-67 2-27-68	88.0 69.0	-68.0 -49.0	4701 4701	2N/06E-36D01M	22.0	10-27-67 2-27-68	65.0 60.0	-43.0 -38.0	4701 4701
1N/06E-14Q03M	14.3	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	55.5 53.6 52.3 51.4 50.5 49.8 49.9 51.2 52.5 53.9 59.4 59.8	-41.2 -39.3 -38.0 -37.1 -36.2 -35.5 -35.6 -36.9 -38.2 -39.6 -45.1 -45.5	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	2N/06E-36N02M	20.4	11-15-67 3-12-68	72.7 64.9	-52.3 -44.5	5050 5050
1N/06E-15N02M	5.0	10-16-67 3-05-68	26.2 23.7	-21.2 -18.7	5050 5050	2N/06E-36R03M	24.0	10-27-67 2-27-68	81.0 73.0	-57.0 -49.0	4701 4701
1N/06E-16H01M	4.0	10-16-67 3-05-68	35.1 27.5	-31.1 -23.5	5050 5050	2N/07E-03N03M	55.2	10-19-67 3-07-68	63.4 67.6	-8.2 -12.4	5110 5110
1N/06E-17A01M	4.0	10-16-67 3-05-68	13.6 11.0	-9.6 -7.0	5050 5050	2N/07E-05E01M	41.1	10-24-67 3-18-68 (3) 4-10-68	58.1 58.1 49.0	-17.0 -17.0 -7.9	5110 5110 5050
1N/06E-23D01M	9.0	10-13-67 3-05-68	38.2 35.3	-29.2 -26.3	5050 5050	2N/07E-05R01M	46.0	10-19-67 3-07-68	64.6 60.0	-18.6 -14.0	5110 5110
1N/06E-23D02M	9.0	10-13-67 3-05-68	38.1 35.4	-29.1 -26.4	5050 5050	2N/07E-06L03M	37.0	10-01-67 4-01-68	46.0 43.1	-9.0 -6.1	5110 5110
1N/07E-01M01M	54.2	10-17-67 3-22-68	85.9 85.4	-31.7 -31.2	5110 5110	2N/07E-06P02M	36.0	10-01-67 4-01-68	45.1 42.9	-9.1 -6.9	5110 5110
1N/07E-04P03M	35.4	10-17-67 3-05-68 4-09-68	88.4 87.9 77.6	-53.0 -52.5 -42.2	5110 5110 5050	2N/07E-07C03M	36.0	10-01-67 4-01-68	43.0 43.1	-7.0 -7.1	5110 5110
1N/07E-05A01M	33.0	10-27-67 2-27-68	77.0 70.0	-44.0 -37.0	4701 4701	2N/07E-07J05M	37.0	10-01-67 4-01-68	58.5 51.6	-21.5 -14.6	5110 5110
1N/07E-05N01M	28.0	10-27-67 2-27-68	88.0 86.0	-60.0 -58.0	4701 4701	2N/07E-07K04M	36.0	10-01-67 4-01-68	49.3 51.1	-13.3 -15.1	5110 5110
1N/07E-07E01M	25.0	10-27-67 2-27-68	86.0 83.0	-61.0 -58.0	4701 4701	2N/07E-07R05M	37.0	10-19-67 4-10-68	53.7 49.8	-16.7 -12.8	5110 5050
1N/07E-07F01M	25.8	11-15-67 3-12-68	91.7 80.1	-65.9 -54.3	5050 5050	2N/07E-08D01M	42.0	10-19-67 3-07-68	64.2 55.5	-22.2 -13.5	5110 5110
1N/07E-08R02M	31.5	10-17-67 3-05-68 4-09-68	89.0 87.5 82.9	-57.5 -56.0 -51.4	5110 5110 5050	2N/07E-08K03M	44.5	10-19-67 3-07-68	68.0 66.8	-23.5 -22.3	5110 5110
						2N/07E-08R01M	46.0	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	65.5 64.4 63.5 62.5 61.9 61.4 63.9 66.5 70.3 68.5 70.5 69.2	-19.5 -18.4 -17.5 -16.5 -15.9 -15.4 -17.9 -20.5 -24.3 -22.5 -24.5 -23.2	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050



TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CALAVERAS RIVER AREA 5-22.02						CALAVERAS RIVER AREA 5-22.02					
2N/07E-09B02M	54.0	10-19-67 3-07-68	70.4 68.8	-16.4 -14.8	5110 5110	2N/08E-12C02M	109.3	10-18-67 3-05-68 4-10-68	105.5 103.5 98.9	3.8 5.8 10.4	5110 5110 5050
2N/07E-11F01M	58.0	10-19-67 3-07-68	84.0 69.2	-26.0 -11.2	5110 5110	2N/08E-13K01M	105.6	10-19-67 3-06-68 4-10-68	117.7 115.2 102.1	-12.1 -9.6 3.5	5110 5110 5050
2N/07E-12A01M	72.2	10-19-67 3-07-68	86.0 79.5	-13.8 -7.3	5110 5110	2N/08E-14C01M	94.4	10-18-67 3-05-68	110.4 98.4	-16.0 -4.0	5110 5110
2N/07E-12A03M	72.2	10-25-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-26-68 5-24-68 6-25-68 7-25-68 8-27-68 9-25-68	86.0 84.1 82.2 80.8 79.6 79.2 88.2 96.9 105.0 103.8 99.9 92.0	-13.8 -11.9 -10.0 -8.6 -7.4 -7.0 -16.0 -24.7 -32.8 -31.6 -27.7 -19.8	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	2N/08E-15M02M	84.9	10-18-67 3-05-68 4-10-68	102.8 (7) 92.1	-17.9  -7.2	5110 5110 5050
2N/07E-14P01M	57.3	10-18-67 3-06-68	88.8 73.3	-31.5 -16.0	5110 5110	2N/08E-16D01M	80.5	10-20-67 3-07-68	(3) 86.6	 -6.1	5110 5110
2N/07E-15C01M	51.7	10-20-67 3-07-68	92.0 76.5	-40.3 -24.8	5110 5110	2N/08E-18C01M	68.9	10-20-67 3-07-68	86.4 79.2	-17.5 -10.3	5110 5110
2N/07E-16L01M	46.2	10-20-67 3-07-68	71.5 65.5	-25.3 -19.3	5110 5110	2N/08E-19P02M	69.2	10-18-67 3-05-68	97.0 88.5	-27.8 -19.3	5110 5110
2N/07E-18B01M	34.0	10-01-67 4-01-68	51.5 49.1	-17.5 -15.1	5110 5110	2N/08E-20F01M	73.0	10-18-67 3-06-68	100.3 88.3	-27.3 -15.3	5110 5110
2N/07E-18E01M	33.3	10-13-67 3-11-68	39.4 43.0	-6.1 -9.7	5050 5050	2N/08E-21R01M	79.9	10-18-67 3-05-68	107.1 91.1	-27.2 -11.2	5110 5110
2N/07E-18H02M	36.0	10-01-67 4-01-68	55.3 56.3	-19.3 -20.3	5110 5110	2N/08E-24P01M	126.0	10-19-67 3-06-68	136.4 126.4	-10.4 -0.4	5110 5110
2N/07E-18K01M	36.5	10-19-67 3-06-68	53.0 55.5	-16.5 -19.0	5110 5110	2N/08E-25P01M	101.0	10-16-67 3-04-68	114.5 105.5	-13.5 -4.5	5110 5110
2N/07E-20N02M	35.0	10-20-67 3-07-68	62.5 59.6	-27.5 -24.6	5110 5110	2N/08E-30H01M	69.4	10-18-67 3-06-68	98.9 92.9	-29.5 -23.5	5110 5110
2N/07E-23J02M	59.6	10-18-67 3-06-68	99.7 90.2	-40.1 -30.6	5110 5110	2N/08E-32L02M	69.5	10-18-67 3-05-68	97.4 89.2	-27.9 -19.7	5110 5110
2N/07E-24B01M	65.4	10-18-67 3-06-68	98.0 79.5	-32.6 -14.1	5110 5110	2N/08E-33E01M	75.0	10-18-67 3-05-68	99.8 92.0	-24.8 -17.0	5110 5110
2N/07E-26N01M	50.3	10-18-67 3-06-68	89.5 79.0	-39.2 -28.7	5110 5110	2N/08E-34E01M	82.6	10-16-67 3-04-68	107.7 97.2	-25.1 -14.6	5110 5110
2N/07E-27D01M	46.7	10-18-67 3-06-68	92.2 75.7	-45.5 -29.0	5110 5110	2N/08E-36L01M	97.2	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	110.7 108.5 106.7 104.8 103.5 102.5 103.6 106.1 109.9 112.5 114.4 114.9	-13.5 -11.3 -9.5 -7.6 -6.3 -5.3 -6.4 -8.9 -12.7 -15.3 -17.2 -17.7	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
2N/07E-28N04M	38.0	10-18-67 3-06-68	77.0 70.5	-39.0 -32.5	5110 5110	2N/09E-03A01M	150.0	10-19-67 3-05-68	57.9 57.4	92.1 92.6	5110 5110
2N/07E-30E01M	28.0	10-19-67 3-06-68	54.0 57.5	-26.0 -29.5	5110 5110	2N/09E-04H01M	158.1	10-19-67 3-05-68	79.5 83.0	78.6 75.1	5110 5110
2N/07E-32R01M	32.0	10-18-67 3-06-68	77.1 70.6	-45.1 -38.6	5110 5110	2N/09E-05H01M	132.2	10-19-67 3-05-68 4-10-68	100.0 112.5 98.3	32.2 19.7 33.9	5110 5110 5050
2N/07E-33H01M	41.0	10-18-67 3-06-68	87.0 74.0	-46.0 -33.0	5110 5110	2N/09E-05L02M	130.0	10-18-67 10-25-67 11-28-67 12-27-67 1-26-68 2-27-68 3-05-68 3-22-68 4-26-68 5-27-68 6-26-68 7-26-68 8-26-68 9-25-68	106.5 105.9 105.0 104.6 103.9 104.1 108.0 104.1 108.3 105.2 107.0 106.6 107.2 106.7	23.5 24.1 25.0 25.4 26.1 25.9 22.0 25.9 21.7 24.8 23.0 23.4 22.8 23.3	5110 5050 5050 5050 5050 5050 5110 5050 5050 5050 5050 5050 5050 5050
2N/07E-35L01M	49.8	10-17-67 3-05-68	94.4 79.9	-44.6 -30.1	5110 5110	2N/09E-05N01M	126.1	10-19-67 3-05-68 4-10-68	(1) 114.1 103.3	 12.0 22.8	5110 5110 5050
2N/07E-36H01M	58.7	10-18-67 3-05-68	93.7 80.7	-35.0 -22.0	5110 5110	2N/09E-07C02M	117.5	10-19-67 3-05-68	108.0 104.0	9.5 13.5	5110 5110
2N/07E-36P02M	54.0	10-25-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-26-68 5-24-68 6-25-68 7-25-68 8-25-68 9-25-68	87.4 (8) 83.3 81.7 80.4 81.9 79.7 85.8 90.0 93.3 94.0 93.2	-33.4  -29.3 -27.7 -26.4 -27.9 -25.7 -31.8 -36.0 -39.3 -40.0 -39.2	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	2N/09E-08N01M	141.6	10-19-67 3-05-68 4-10-68	142.5 150.0 126.2	-0.9 -8.4 15.4	5110 5110 5050
2N/08E-03C02M	108.8	10-23-67 3-18-68	115.5 109.0	-6.7 -0.2	5110 5110	2N/09E-09D01M	132.8	10-19-67 3-05-68 4-10-68	109.6 108.6 101.4	23.2 24.2 31.4	5110 5110 5050
2N/08E-04C01M	92.0	10-23-67 3-18-68	(3) 97.3	 -5.3	5110 5110	2N/09E-11A01M	253.0	10-18-67 3-05-68	166.0 163.5	87.0 89.5	5110 5110
2N/08E-08N01M	76.7	10-20-67 3-07-68	91.2 86.2	-14.5 -9.5	5110 5110						
2N/08E-09C02M	87.0	10-20-67 3-07-68	101.0 93.3	-14.0 -6.3	5110 5110						
2N/08E-10H02M	105.4	10-20-67 3-07-68 4-10-68	121.0 (4) 106.3	-15.6  -0.9	5110 5110 5050						
2N/08E-11B01M	106.0	10-19-67 3-07-68	106.6 101.1	-0.6 4.9	5110 5110						

TABLE C-2 (Cont.)  
GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CALAVERAS RIVER AREA 5-22.02						FARMINGTON-COLLEGEVILLE AREA 5-22.03					
2N/09E-17C01M	186.0	10-19-67 3-06-68	173.3 172.8	12.7 13.2	5110 5110	1N/06E-26A02M (Continued)	13.0	2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	38.2 36.6 37.7 38.9 40.4 42.1 43.3 44.0	-25.2 -23.6 -24.7 -25.9 -27.4 -29.1 -30.3 -31.0	5050 5050 5050 5050 5050 5050 5050 5050
2N/09E-18Q01M	107.1	10-19-67 3-06-68	(1) 106.2		5110 5110						
2N/09E-22B01M	171.0	10-11-67 3-06-68	121.1 121.6	49.9 49.4	5050 5050	1N/06E-35A02M	16.0	10-17-67 3-06-68	32.5 28.5	-16.5 -12.5	5110 5110
2N/09E-28N01M	179.5	10-16-67 3-04-68 4-09-68	159.6 (3) 156.8	19.9	5110 5110 5050	1N/07E-11E01M	48.6	10-16-67 11-07-67 3-04-68	(3) 91.1 (3)		5110 5050 5110
2N/09E-32D01M	154.2	10-11-67 3-06-68	147.3 143.8	6.9 10.4	5050 5050	1N/07E-12Q01M	54.4	10-16-67 3-04-68	108.0 97.0	-53.6 -42.6	5110 5110
3N/07E-33G01M	52.0	10-19-67 3-07-68	68.5 61.6	-16.5 -9.6	5110 5110	1N/07E-13E01M	51.0	4-09-68	DRY		5050
3N/07E-35C02M	61.2	10-20-67 3-18-68 4-11-68	90.0 (9) 66.4	-28.8	5110 5110 5050	1N/07E-14L01M	47.0	10-16-67 3-06-68	89.3 81.4	-42.3 -34.4	5050 5050
3N/07E-35L01M	64.0	10-20-67 3-18-68	76.5 69.5	-12.5 -5.5	5110 5110	1N/07E-15M02M	38.0	10-17-67	82.0	-44.0	5110
3N/07E-36D01M	67.7	10-20-67 3-21-68	80.5 70.0	-12.8 -2.3	5110 5110	1N/07E-19R01M	24.0	10-17-67 3-22-68	(3) (3)		5110 5110
3N/07E-36K02M	74.5	10-20-67 3-18-68	86.3 74.2	-11.8 0.3	5110 5110	1N/07E-20G01M	29.0	10-17-67 3-22-68	77.0 70.5	-48.0 -41.5	5110 5110
3N/08E-11M01M	137.5	10-09-67 1-10-68	67.7 DRY	69.8	8201 8201	1N/07E-21R01M	37.0	10-17-67 3-07-68	77.5 69.5	-40.5 -32.5	5110 5110
3N/08E-11M11M	139.9	10-09-67 1-10-68	128.4 127.4	11.5 12.5	8201 8201	1N/07E-23H02M	51.0	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68 (4)	89.4 88.0 86.6 85.2 84.1 83.1 82.2 84.2 89.8 90.8 91.6 93.2	-38.4 -37.0 -35.6 -34.2 -33.1 -32.1 -31.2 -33.2 -38.8 -39.8 -40.6 -42.2	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
3N/08E-11N02M	156.0	10-23-67 3-18-68 4-11-68	(3) 181.0 157.4	-25.0 -1.4	5110 5110 5050						
3N/08E-12P11M	181.7	10-09-67 1-08-68	164.6 164.4	17.1 17.3	8201 8201	1N/07E-24R01M	57.0	10-17-67 3-05-68 4-09-68	(1) (3) 87.1		5110 5110 5050
3N/08E-23F11M	173.1	10-09-67 1-08-68	169.9 168.5	3.2 4.6	8201 8201	1N/07E-27H02M	44.0	10-17-67 3-07-68 4-09-68	84.5 78.5 78.1	-40.5 -34.5 -34.1	5110 5110 5050
3N/08E-26Q01M	130.0	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	129.7 128.2 127.3 126.4 125.9 125.6 126.0 127.1 128.8 130.2 131.2 131.6	0.3 1.8 2.7 3.6 4.1 4.4 4.0 2.9 1.2 -0.2 -1.2 -1.6	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	1N/07E-28R01M	36.0	10-16-67 3-06-68	72.6 64.4	-36.6 -28.4	5050 5050
3N/08E-27R01M	126.4	10-23-67 11-07-67 3-18-68 4-10-68	(1) 128.7 130.3 (1)		5110 5050 5110 5050	1N/07E-31L01M	21.0	10-16-67 3-06-68	33.7 32.2	-12.7 -11.2	5050 5050
3N/08E-32P01M	85.0	10-23-67 3-18-68 4-10-68	96.4 105.6 89.2	-11.4 -20.6 -4.2	5110 5110 5050	1N/07E-32A01M	29.5	10-16-67 3-06-68	59.2 54.3	-29.7 -24.8	5050 5050
3N/09E-05D01M	280.0	10-23-67 3-21-68	240.0 (9)	40.0	5110 5110	1N/07E-35H01M	49.1	10-17-67 3-07-68 4-09-68	84.6 74.6 73.9	-35.5 -25.5 -24.8	5110 5110 5050
3N/09E-19N01M	180.0	2-14-68 3-07-68	165.3 164.8	14.7 15.2	5050 5050	1N/08E-13J01M	94.8	10-17-67 3-05-68 4-10-68	95.5 102.5 95.5	-0.7 -7.7 -0.7	5110 5110 5050
3N/09E-21D01M	245.0	1-19-68 3-07-68	202.1 (7)	42.9	5050 5050	1N/08E-13P02M	90.5	10-17-67 10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-05-68 3-21-68 4-26-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	116.5 107.0 102.9 100.1 97.5 95.8 95.5 94.4 95.3 107.0 116.1 118.6 122.2 120.4	-26.0 -16.5 -12.4 -9.6 -7.0 -5.3 -5.0 -3.9 -4.8 -16.5 -25.6 -28.1 -31.7 -29.9	5110 5050 5050 5050 5050 5050 5110 5050 5050 5050 5050 5050 5050
3N/09E-25R01M	169.8	10-18-67 3-05-68	49.8 46.8	120.0 123.0	5110 5110	1N/08E-16P01M	73.0	10-16-67 3-06-68	105.0 92.4	-32.0 -19.4	5050 5050
3N/09E-31G01M	192.0	10-11-67 3-06-68	177.1 174.8	14.9 17.2	5050 5050	1N/08E-17D01M	68.7	10-17-67 11-07-67 3-04-68	(1) 100.7 94.0		5110 5050 5110
3N/09E-33J01M	140.0	10-18-67 3-21-68	83.4 76.4	56.6 63.6	5110 5110	1N/08E-19B01M	62.2	10-17-67 3-05-68	(4) (4)		5110 5110
3N/09E-36G01M	180.4	10-18-67 3-05-68	73.1 67.7	107.3 112.7	5110 5110	1N/08E-21M01M	71.0	10-16-67 3-06-68	(1) 93.3		5050 5050
FARMINGTON-COLLEGEVILLE AREA 5-22.03						1N/08E-22B01M	80.5	10-16-67 3-21-68	107.5 99.5	-27.0 -19.0	5110 5110
1N/06E-23J01M	11.8	10-17-67 3-06-68	(3) (3)		5110 5110	1N/08E-23J01M	88.7	10-17-67 3-05-68 4-10-68	(7) (3) 92.6		5110 5110 5050
1N/06E-24B01M	17.0	10-16-67 3-06-68	65.6 58.6	-48.6 -41.6	5050 5050						
1N/06E-25H02M	19.0	10-16-67 3-06-68	56.6 52.4	-37.6 -33.4	5050 5050						
1N/06E-26A02M	13.0	10-24-67 11-27-67 12-26-67 1-25-68	40.8 39.6 38.8 38.2	-27.8 -26.6 -25.8 -25.2	5050 5050 5050 5050						



TABLE C-2 (Cont.)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	
FARMINGTON-COLLEGEVILLE AREA 5-22.03						FARMINGTON-COLLEGEVILLE AREA 5-22.03						
1N/08E-26A02M	88.7	10-17-67 3-05-68 4-10-68	97.0 (3) 91.6	-8.3 5110 -2.9 5110 5050	5110	1S/07E-10A01M (Continued)	41.0	2-26-68 3-07-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	44.7 (5) 44.0 (1) (1) (1) (1) (1) (1) 59.2	-3.7 5110 -3.0 5050 5050 5050 5050 5050 -18.2 5050	5050 5110 5050 5110 5110 5110 5110	
1N/08E-27R02M	78.0	10-17-67 3-05-68	123.2 88.2	-45.2 5110 -10.2 5110	5110	1S/07E-12H01M	51.0	10-17-67 3-07-68	62.5 59.0	-11.5 5110 -8.0 5110	5110	
1N/08E-28K01M	71.0	10-16-67 3-06-68	100.7 (1)	-29.7 5050 5050	5050	1S/07E-13J01M	48.0	10-17-67 3-06-68	39.5 39.0	8.5 5110 9.0 5110	5110	
1N/08E-29M02M	64.1	10-17-67 3-05-68	108.6 86.4	-44.5 5110 -22.3 5110	5110	1S/07E-14P02M	44.5	10-17-67 3-06-68	22.0 25.0	22.5 5110 19.5 5110	5110	
1N/08E-30M01M	57.0	10-16-67 3-06-68	93.2 83.6	-36.2 5050 -26.6 5050	5050	1S/07E-15F01M	40.0	10-17-67 2-06-68 3-06-68	(3) 23.8 (4)	16.2 5050 5110	5110	
1N/08E-33H01M	71.6	10-17-67 3-05-68 4-09-68	102.0 89.3 (1)	-30.4 5110 -17.7 5110 5050	5110	1S/08E-06D01M	55.4	10-17-67 3-07-68 4-09-68	81.5 77.0 71.1	-26.1 5110 -21.6 5110 -15.7 5050	5110	
1N/08E-33J01M	72.0	10-17-67 3-05-68 4-09-68	102.5 89.2 83.8	-30.5 5110 -17.2 5110 -11.8 5050	5110	1S/08E-08J01M	62.7	10-24-67 11-27-67 12-29-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	73.6 71.9 70.5 69.2 67.8 66.9 67.3 68.6 70.9 74.3 76.5 76.9	-10.9 5050 -9.2 5050 -7.8 5050 -6.5 5050 -5.1 5050 -4.2 5050 -4.6 5050 -5.9 5050 -8.2 5050 -11.6 5050 -13.8 5050 -14.2 5050	5050	
1N/08E-35R02M	82.0	10-17-67 3-05-68 4-09-68	108.5 93.5 82.0	-26.5 5110 -11.5 5110 0.0 5050	5110	1S/08E-09A01M	71.0	10-17-67 3-07-68	85.5 73.5	-14.5 5110 -2.5 5110	5110	
1N/08E-36F01M	87.0	10-17-67 3-05-68 4-09-68	104.0 (3) 83.9	-17.0 5110 3.1 5050	5110	1S/08E-11F01M	80.0	10-26-67 3-06-68	86.2 78.5	-6.2 5110 1.5 5110	5110	
1N/09E-13D01M	142.0	10-16-67 3-04-68 4-09-68	102.5 98.0 (1)	39.5 5110 44.0 5110 5050	5110	1S/08E-15A01M	73.5	10-17-67 10-24-67 11-27-67 12-29-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	75.5 75.3 73.8 72.3 70.9 69.9 68.5 68.6 69.1 70.7 75.9 78.2 79.1 81.4	-2.0 5110 -1.8 5050 -0.3 5050 1.2 5050 2.6 5050 3.6 5050 5.0 5110 4.9 5050 4.4 5050 2.8 5050 -2.4 5050 -4.7 5050 -5.6 5050 -7.9 5050	5110	
1N/09E-15802M	120.0	10-17-67 3-04-68	99.5 98.5	20.5 5110 21.5 5110	5110	1S/08E-21A01M	66.8	10-17-67 3-07-68	57.5 52.5	9.3 5110 14.3 5110	5110	
1N/09E-17D01M	103.0	10-17-67 3-05-68	107.0 95.5	-4.0 5110 7.5 5110	5110	1S/08E-29H01M	62.5	10-17-67 3-07-68	34.0 32.3	28.5 5110 30.2 5110	5110	
1N/09E-17M01M	102.2	10-17-67 3-05-68	108.2 94.7	-6.0 5110 7.5 5110	5110	1S/08E-30C01M	52.0	10-17-67 11-07-67 3-07-68	(1) 25.0 28.0	5110 27.0 5050 24.0 5110	5110	
1N/09E-19C01M	98.5	10-17-67 3-05-68	(7) 96.0	5110 2.5 5110	5110	1S/09E-02D01M	146.0	10-18-67 11-07-67 3-05-68	(1) 105.8 99.5	5110 40.2 5050 46.5 5110	5110	
1N/09E-22G02M	118.0	10-17-67 3-04-68 4-09-68	91.9 (3) (1)	26.1 5110 5110 5050	5110	1S/09E-02J01M	157.0	10-00-67 3-00-68	103.5 101.1	53.5 4520 55.9 4520	4520	
1N/09E-23Q01M	125.0	10-17-67 10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-05-68 3-21-68 4-26-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	86.3 86.4 85.1 85.2 83.4 83.8 (4) 82.7 87.7 87.5 88.1 90.7 90.5 91.1	38.7 38.6 39.9 39.8 41.6 41.2 5110 42.3 37.3 37.5 36.9 34.3 34.5 33.9	5110 5050 5050 5050 5050 5050 5110 5050 5050 5050 5050 5050 5050 5050	5110	1S/09E-02R01M	162.0	10-18-67 11-07-67 1-17-68 3-06-68 4-09-68	(3) (1) 103.6 108.1 (1)	5110 5050 5050 58.4 5050 53.9 5110 5050	5110
1N/09E-29A01M	106.5	10-18-67 3-05-68 4-09-68	95.0 (3) 88.9	11.5 5110 17.6 5050	5110	1S/09E-05R01M	105.7	10-26-67 3-06-68	83.2 72.5	22.5 5110 33.2 5110	5110	
1N/09E-30C05M	96.0	10-17-67 3-05-68	(7) 89.8	5110 6.2 5110	5110	1S/09E-07N01M	96.2	10-18-67 3-06-68 4-09-68	84.5 (3) 74.6	11.7 5110 21.6 5050	5110	
1N/09E-32J01M	107.5	10-18-67 3-05-68 4-09-68	99.0 93.5 86.9	8.5 5110 14.0 5110 20.6 5050	5110	1S/09E-09R01M	127.6	10-18-67 3-06-68 4-09-68	97.5 95.4 80.0	30.1 5110 32.2 5110 47.6 5050	5110	
1N/09E-33P01M	117.3	10-18-67 3-05-68	(3) 87.2	5110 30.1 5110	5110	1S/09E-11J01M	140.0	10-00-67 3-00-68	74.7 72.7	65.3 4520 67.3 4520	4520	
1N/09E-36P01M	147.2	10-18-67 11-07-67 3-06-68	(1) 100.5 98.7	5110 46.7 5050 48.5 5110	5110	1S/09E-18R03M	103.8	10-18-67 3-06-68 4-09-68	83.3 77.8 (1)	20.5 5110 26.0 5110 5050	5110	
1S/07E-01J01M	53.4	10-17-67 3-07-68	80.0 68.0	-26.6 5110 -14.6 5110	5110	1S/09E-19Q01M	97.5	10-18-67 3-06-68	60.0 54.1	37.5 5110 43.4 5110	5110	
1S/07E-03A01M	43.1	10-17-67 11-07-67 3-07-68	68.7 68.4 59.0	-25.6 5110 -25.3 5050 -15.9 5110	5110							
1S/07E-05A01M	28.9	10-17-67 3-06-68	44.4 39.9	-15.5 5110 -11.0 5110	5110							
1S/07E-06M02M	23.5	10-17-67 3-06-68	25.7 27.5	-2.2 5110 -4.0 5110	5110							
1S/07E-08J02M	30.9	10-17-67 1-17-68 3-06-68	20.3 23.8 25.4	10.6 5110 7.1 5050 5.5 5110	5110							
1S/07E-10A01M	41.0	10-17-67 10-24-67 11-27-67 12-26-67 1-25-68	52.3 51.6 48.7 47.0 45.3	-11.3 5110 -10.6 5050 -7.7 5050 -6.0 5050 -4.3 5050	5110							

TABLE C-2 (Cont.)

## GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH SAN JOAQUIN IRRIGATION DISTRICT 5-22.05						SOUTH SAN JOAQUIN IRRIGATION DISTRICT 5-22.05					
1S/06E-24H02M	23.0	10-13-67 3-05-68	(1) 11.8 9.7	11.2 13.3	5050 5050	2S/07E-20R02M	32.0	1-16-68 3-05-68	8.2 8.0	23.8 24.0	5050 5050
1S/07E-17N02M	30.0	10-13-67 3-05-68	6.6 12.1	23.4 17.9	5050 5050	2S/07E-22J01M	44.0	10-13-67 10-28-67 3-05-68	(2) 8.6 7.5	5050 35.4 36.5	5050 5050 5050
1S/07E-23N01M	45.0	10-13-67 3-05-68	11.6 18.4	33.4 26.6	5050 5050	2S/07E-24R02M	56.0	1-16-68 3-05-68	15.9 16.1	40.1 39.9	5050 5050
1S/07E-25R01M	56.0	10-13-67 3-05-68	19.2 22.9	36.8 33.1	5050 5050	2S/07E-34R01M	45.0	10-13-67 3-05-68	11.2 13.3	33.8 31.7	5050 5050
1S/07E-28D01M	34.0	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	6.7 7.4 7.8 8.2 7.9 7.9 8.2 7.5 8.6 8.3 7.9 8.3	27.3 26.6 26.2 25.8 26.1 26.1 25.8 26.5 25.4 25.7 26.1 25.7	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	2S/08E-09J01M	73.0	1-16-68 3-05-68	17.9 19.4	55.1 53.6	5050 5050
1S/07E-29N02M	30.0	10-13-67 3-05-68	9.1 8.0	20.9 22.0	5050 5050	2S/08E-14E01M	79.0	10-13-67 3-05-68	16.9 23.8	62.1 55.2	5050 5050
1S/07E-35Q01M	49.0	10-13-67 3-05-68	7.5 8.9	41.5 40.1	5050 5050	2S/08E-17N01M	64.0	10-13-67 3-05-68	19.1 20.1	44.9 43.9	5050 5050
1S/08E-25Q01M	90.5	10-18-67 3-06-68	43.6 42.8	46.9 47.7	5110 5110	2S/09E-02E01M	135.0	10-17-67 10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-06-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	38.0 37.8 37.8 38.0 38.3 38.8 39.0 39.1 39.5 39.8 39.8 39.9 40.1 40.0	97.0 97.2 97.2 97.0 96.7 96.2 96.0 95.9 95.5 95.2 95.2 95.1 94.9 95.0	5110 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
1S/08E-27A01M	75.0	10-13-67 3-05-68	49.7 46.8	25.3 28.2	5050 5050	2S/09E-05C01M	110.0	10-13-67 3-05-68 3-28-68	33.6 (1) 37.1	76.4 (1) 72.9	5050 5050 5050
1S/08E-33N01M	67.0	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	28.4 27.8 27.5 27.9 27.8 28.1 28.2 28.5 28.6 28.6 29.2 30.4	38.6 39.2 39.5 39.1 39.2 38.9 38.8 38.5 38.4 38.4 37.8 36.6	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	2S/09E-09Q01M	120.0	10-13-67 3-05-68	29.6 36.4	90.4 83.6	5050 5050
1S/08E-35R02M	88.0	10-13-67 3-05-68	36.8 37.1	51.2 50.9	5050 5050	2S/09E-11K01M	139.0	10-13-67 3-05-68	37.8 40.4	101.2 98.6	5050 5050
1S/09E-33J01M	125.0	3-05-68	43.1	81.9	5050	2S/09E-18E01M	94.0	10-13-67 3-05-68	14.5 27.7	79.5 66.3	5050 5050
1S/09E-36A01M	145.0	10-00-67 3-00-68	49.1 50.2	95.9 94.8	4520 4520	2S/09E-19B02M	89.0	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	18.4 20.6 21.9 23.6 25.1 25.9 (1) 23.9 (1) 22.9 22.0 (1)	70.6 68.4 67.1 65.4 63.9 63.1 5050 65.1 5050 66.1 67.0 5050	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
2S/06E-13G01M	22.0	10-13-67 3-05-68	5.9 6.7	16.1 15.3	5050 5050	DELTA AREA 5-22.52					
2S/07E-07Q01M	28.0	10-13-67 3-05-68	4.7 5.8	23.3 22.2	5050 5050	1N/06E-27R01M	11.0	10-13-67 3-05-68	29.9 26.2	-18.9 -15.2	5050 5050
2S/07E-08R01M	36.9	10-24-67 11-27-67 12-26-67 1-25-68 2-29-68 3-31-68 4-30-68 5-31-68 6-30-68 7-31-68 8-30-68 9-30-68	11.0 11.2 11.6 11.9 11.1 10.7 10.6 11.7 12.3 12.5 12.3 12.8	25.9 25.7 25.3 25.0 25.8 26.2 26.3 25.2 24.6 24.4 24.6 24.1	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	3N/05E-16A01M	-3.0	10-25-67 3-19-68	(1) (9)	5110 5110	
2S/07E-10B01M	46.0	10-13-67 3-05-68	13.7 13.8	32.3 32.2	5050 5050	1S/05E-35Q02M	8.0	10-16-67 3-18-68	7.3 7.0	0.7 1.0	5110 5110
2S/07E-12G01M	56.0	10-13-67 3-05-68	12.8 12.9	43.2 43.1	5050 5050	1S/06E-02G02M	16.0	10-13-67 3-05-68	35.1 28.2	-19.1 -12.2	5050 5050
2S/07E-12R01M	55.0	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	15.8 16.1 16.1 16.2 16.2 16.4 16.6 17.1 17.5 18.0 18.2 18.0	39.2 38.9 38.9 38.8 38.8 38.6 38.4 37.9 37.5 37.0 36.8 37.0	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	1S/06E-04A02M	8.5	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	8.9 8.5 8.5 8.7 7.7 7.3 8.8 6.1 5.5 4.7 7.2 7.1	-0.4 0.0 0.0 -0.2 0.8 1.2 -0.3 2.4 3.0 3.8 1.3 1.4	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
2S/07E-12R02M	55.0	10-24-67 11-27-67 12-26-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	14.2 14.0 14.0 13.9 13.8 13.7 14.0 14.0 14.1 14.6 14.8 14.9	40.8 41.0 41.0 41.1 41.2 41.3 41.0 41.0 40.9 40.4 40.2 40.1	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050	1S/06E-09J01M	7.0	10-13-67 3-05-68	10.5 8.6	-3.5 -1.6	5050 5050
						1S/06E-11D01M	14.8	10-24-67 11-27-67 12-29-67 1-25-68 2-26-68 3-21-68 4-25-68 5-24-68 6-25-68 7-25-68 8-26-68 9-24-68	28.8 27.2 25.9 25.1 24.1 23.6 27.4 28.1 31.8 33.7 33.3 32.5	-14.0 -12.4 -11.1 -10.3 -9.3 -8.8 -12.6 -13.3 -17.0 -18.9 -18.5 -17.7	5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050 5050
						1S/06E-12P01M	21.0	10-13-67 3-05-68	19.9 (4)	1.1	5050 5050



TABLE C-2 (Cont.)

## GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
DELTA AREA 5-22.52						SURPRISE VALLEY 6-01.00					
1S/06E-22Q02M	10.0	10-24-67	8.6	1.4	5050	42N/16E-17K01M	4651.6	10-18-67	26.5	4625.1	5050
		11-27-67	7.8	2.2	5050			11-20-67	26.5	4625.1	5050
		12-26-67	7.8	2.2	5050			12-20-67	26.7	4624.9	5050
		1-25-68	7.7	2.3	5050			1-17-68	26.7	4624.9	5050
		2-26-68	6.6	3.4	5050			2-20-68	26.8	4624.8	5050
		3-21-68	6.4	3.6	5050			3-20-68	25.5	4626.1	5050
		4-25-68	11.7	-1.7	5050			4-18-68	24.6	4627.0	5050
		5-24-68	10.3	-0.3	5050			5-21-68	(1)		5050
		6-25-68	11.0	-1.0	5050			6-19-68	31.6	4620.0	5050
		7-25-68	13.6	-3.6	5050			7-24-68	(1)		5050
		8-26-68	11.0	-1.0	5050			8-19-68	32.3	4619.3	5050
		9-24-68	10.2	-0.2	5050			9-18-68	(1)		5050
1S/06E-31E01M	8.0	10-16-67	(3)		5110	43N/16E-17D01M	4687.4	10-18-67	36.8	4650.6	5050
1S/06E-34K01M	9.0	10-13-67	11.5	-2.5	5050			11-20-67	36.8	4650.6	5050
		3-05-68	7.5	1.5	5050			12-20-67	36.8	4650.6	5050
1S/06E-36C01M	23.0	10-13-67	12.4	10.6	5050			1-17-68	34.4	4653.0	5050
		3-05-68	10.7	12.3	5050			2-20-68	36.5	4650.9	5050
2S/06E-02H01M	20.0	10-13-67	(1)		5050			3-20-68	36.6	4650.8	5050
		10-28-67	11.2	8.8	5050			4-18-68	36.6	4650.8	5050
		3-05-68	8.8	11.2	5050			5-21-68	36.9	4650.5	5050
2S/06E-11J01M	20.0	10-24-67	9.9	10.1	5050			6-19-68	36.8	4650.6	5050
		11-27-67	9.3	10.7	5050			7-24-68	37.0	4650.4	5050
		12-26-67	9.9	10.1	5050			8-19-68	36.8	4650.6	5050
		1-25-68	9.3	10.7	5050			9-18-68	37.1	4650.3	5050
		2-26-68	8.5	11.5	5050	46N/16E-04Q01M	4600.0	10-18-67	64.0	4536.0	5050
		3-21-68	8.3	11.7	5050			11-20-67	64.0	4536.0	5050
		4-25-68	18.2	1.8	5050			12-20-67	63.7	4536.3	5050
		5-24-68	9.2	10.8	5050			1-17-68	64.0	4536.0	5050
		6-25-68	13.4	6.6	5050			2-20-68	63.6	4536.4	5050
		7-25-68	(1)		5050			3-20-68	63.6	4536.4	5050
		8-26-68	22.0	-2.0	5050			4-18-68	63.5	4536.5	5050
		9-24-68	13.7	6.3	5050			5-21-68	(7)		5050
2S/06E-25R01M	23.0	10-13-67	7.7	15.3	5050			6-19-68	(7)		5050
		3-05-68	8.5	14.5	5050			7-24-68	(7)		5050
3S/07E-05J01M	34.0	10-13-67	7.2	26.8	5050			8-19-68	(7)		5050
		3-05-68	11.0	23.0	5050			9-18-68	(7)		5050
3S/07E-06Q01M	26.0	10-24-67	5.4	20.6	5050	MADELINE PLAIN 6-02.00					
		11-27-67	7.2	18.8	5050	34N/14E-26H01M	5302.0	10-19-67	29.2	5272.8	5050
		12-26-67	8.0	18.0	5050			11-21-67	29.2	5272.8	5050
		1-25-68	8.6	17.4	5050			12-20-67	29.2	5272.8	5050
		2-26-68	8.3	17.7	5050			1-17-68	29.3	5272.7	5050
		3-21-68	8.6	17.4	5050			2-21-68	29.2	5272.8	5050
		4-25-68	6.0	20.0	5050			3-21-68	29.1	5272.9	5050
		5-24-68	6.2	19.8	5050			4-19-68	29.0	5273.0	5050
		6-25-68	5.3	20.7	5050			5-22-68	29.1	5272.9	5050
		7-25-68	4.1	21.9	5050			6-20-68	29.4	5272.6	5050
		8-26-68	3.7	22.3	5050			7-25-68	29.4	5272.6	5050
		9-24-68	3.6	22.4	5050			8-07-68	30.7	5271.3	5050
								9-09-68	29.4	5272.6	5050
LAHONTIAN REGION 6-00.00						35N/13E-26J02M	5296.0	10-19-67	53.5	5242.5	5050
SURPRISE VALLEY 6-01.00								11-21-67	52.7	5243.3	5050
40N/16E-36G01M	4625.2	10-18-67	74.5	4550.7	5050			12-20-67	53.0	5243.0	5050
		11-20-67	72.1	4553.1	5050			1-17-68	52.7	5243.3	5050
		12-20-67	71.4	4553.8	5050			2-21-68	52.4	5243.6	5050
		1-17-68	69.3	4555.9	5050			3-21-68	52.6	5243.4	5050
		2-20-68	68.8	4556.4	5050			4-19-68	52.6	5243.4	5050
		3-20-68	66.9	4558.3	5050			5-22-68	52.5	5243.5	5050
		4-18-68	67.3	4557.9	5050			6-20-68	54.5	5241.5	5050
		5-21-68	(1)		5050			7-25-68	52.8	5243.2	5050
		6-19-68	(1)		5050			8-20-68	52.7	5243.3	5050
		7-24-68	(1)		5050			9-19-68	54.2	5241.8	5050
		8-19-68	(1)		5050	37N/13E-09J01M	5342.4	10-19-67	14.6	5327.8	5050
		9-19-68	(1)		5050			11-21-67	15.4	5327.0	5050
41N/16E-27Q01M	4657.2	10-18-67	27.5	4629.7	5050			12-20-67	16.0	5326.4	5050
		11-20-67	30.2	4627.0	5050			1-17-68	16.4	5326.0	5050
		12-20-67	26.0	4631.2	5050			2-21-68	16.2	5326.2	5050
		1-17-68	22.7	4634.5	5050			3-21-68	15.4	5327.0	5050
		2-20-68	23.1	4634.1	5050			4-19-68	15.5	5326.9	5050
		3-20-68	18.4	4638.8	5050			5-22-68	14.8	5327.6	5050
		4-18-68	17.7	4639.5	5050			6-20-68	12.7	5329.7	5050
		5-21-68	19.7	4637.5	5050			7-25-68	12.9	5329.5	5050
		6-19-68	21.6	4635.6	5050			8-20-68	14.1	5328.3	5050
		7-24-68	22.7	4634.5	5050			9-19-68	15.0	5327.4	5050
		8-19-68	25.4	4631.8	5050	HONEY LAKE VALLEY 6-04.00					
		9-18-68	28.5	4628.7	5050	26N/16E-15E03M	4106.1	10-19-67	53.5	4052.6	5050
41N/16E-35D02M	4621.5	10-20-67	(1)		5050			11-21-67	53.2	4052.9	5050
		11-20-67	46.0	4575.5	5050			12-19-67	53.2	4052.9	5050
		12-20-67	(1)		5050			1-17-68	54.5	4051.6	5050
		1-17-68	(1)		5050			2-19-68	55.3	4050.8	5050
		2-20-68	44.7	4576.8	5050			3-18-68	55.3	4050.8	5050
		3-20-68	42.2	4579.3	5050			4-19-68	57.6	4048.5	5050
		4-18-68	45.2	4576.3	5050			5-22-68	58.4	4047.7	5050
		5-21-68	(1)		5050			6-20-68	56.6	4049.5	5050
		6-19-68	(1)		5050			7-25-68	55.2	4050.9	5050
		7-24-68	(1)		5050			8-20-68	51.6	4054.5	5050
		8-19-68	(1)		5050			9-19-68	50.6	4055.5	5050
		9-18-68	(1)		5050	27N/15E-32G01M	4052.8	10-19-67	15.0	4037.8	5050
								11-21-67	17.0	4035.8	5050
								12-19-67	16.7	4036.1	5050
								1-17-68	19.1	4033.7	5050
								2-19-68	19.6	4033.2	5050
								3-18-68	19.7	4033.1	5050
								4-18-68	21.3	4031.5	5050
								5-22-68	19.0	4033.8	5050
								6-20-68	18.4	4034.4	5050
								7-25-68	19.2	4033.6	5050
								8-20-68	20.0	4032.8	5050
								9-19-68	21.0	4031.8	5050

TABLE C-2 (Cont.)

## GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA	STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA		
HONEY LAKE VALLEY 6-04.00						SOUTH TAHOE VALLEY 6-05.01							
28N/13E-11R01M	4068.6	10-19-67	23.8	4044.8	5050	12N/18E-05C02M	6257.6	10-05-67	21.1	6236.5	5050		
		11-21-67	20.4	4048.2	5050			4-15-68	20.4	6237.2	5050		
		12-19-67	19.5	4049.1	5050			6-11-68	21.0	6236.6	5050		
		1-17-68	19.0	4049.6	5050			8-13-68	22.3	6235.3	5050		
		2-19-68	18.1	4050.5	5050			12N/18E-05H01M	6256.3	10-05-67	14.2	6242.1	5050
		3-18-68	17.7	4050.9	5050					4-15-68	13.0	6243.3	5050
		4-18-68	17.8	4050.8	5050					6-11-68	14.3	6242.0	5050
		5-22-68	(1)		5050					8-13-68	16.1	6240.2	5050
		6-20-68	28.1	4040.5	5050					12N/18E-05K01M	6271.0	10-05-67	31.5
		7-25-68	(1)		5050			4-15-68	29.8			6241.2	5050
		8-20-68	(4) 43.6	4025.0	5050			6-11-68	31.3			6239.7	5050
9-19-68	(1)		5050	8-13-68	33.4	6237.6	5050						
29N/12E-05J01M	4172.3	10-19-67	15.2	4157.1	5050	12N/18E-05P01M	6277.5		(5)				5050
		11-21-67	13.5	4158.8	5050			4-15-68	(5)		5050		
		12-19-67	11.7	4160.6	5050	12N/18E-06R01M	6670.0	10-05-67	(1) 62.8	6607.2	5050		
		1-17-68	13.2	4159.1	5050			4-15-68	8.9	6661.1	5050		
		2-19-68	12.0	4160.3	5050			6-11-68	9.8	6660.2	5050		
		3-18-68	9.9	4162.4	5050			8-13-68	9.2	6660.8	5050		
		4-18-68	12.5	4159.8	5050			12N/18E-09D03M	6298.0	10-05-67	59.3	6238.7	5050
		5-22-68	12.8	4159.5	5050	4-15-68	(2)				5050		
		6-20-68	13.8	4158.5	5050	6-11-68	58.7			6239.3	5050		
		7-25-68	15.6	4156.7	5050	8-13-68	60.4			6237.6	5050		
		8-20-68	14.6	4157.7	5050	12N/18E-16M01M	6297.9			10-05-67	28.6	6269.3	5050
9-19-68	15.1	4157.2	5050	4-15-68	15.5			6282.4	5050				
29N/14E-17R02M	4046.9	10-19-67	6.5	4040.4	5050			6-11-68	17.9	6280.0	5050		
		11-21-67	7.0	4039.9	5050			8-13-68	32.4	6265.5	5050		
		12-19-67	7.0	4039.9	5050			12N/18E-21D01M	6283.0	10-05-67	3.5	6279.5	5050
		1-17-68	7.1	4039.8	5050	4-15-68	2.0			6281.0	5050		
		2-19-68	6.8	4040.1	5050	6-11-68	4.1			6278.9	5050		
		3-18-68	6.7	4040.2	5050	8-13-68	6.8			6276.2	5050		
		4-18-68	7.6	4039.3	5050	12N/18E-29N01M	6337.7			10-05-67	27.8	6309.9	5050
		5-22-68	6.0	4040.9	5050			4-15-68	25.7	6312.0	5050		
		6-20-68	6.9	4040.0	5050			6-11-68	29.4	6308.3	5050		
		7-25-68	6.3	4040.6	5050			8-13-68	32.2	6305.5	5050		
		8-20-68	7.4	4039.5	5050			13N/17E-35C01M	6278.6	10-05-67	31.3	6247.3	5050
9-19-68	8.4	4038.5	5050	4-15-68	30.5	6248.1	5050						
TAHOE VALLEY 6-05.00		10-05-67	14.6	6381.5	5050	6-11-68	30.4			6248.2	5050		
		4-15-68	12.2	6383.9	5050	8-13-68	31.7			6246.9	5050		
		6-11-68	13.3	6382.8	5050	13N/18E-27K01M	6276.7			10-06-67	37.5	6239.2	5050
		8-13-68	15.9	6380.2	5050			4-15-68	37.2	6239.5	5050		
		10-05-67	9.0	6426.5	5050			6-12-68	39.3	6237.4	5050		
		4-15-68	6.3	6429.2	5050			8-13-68	40.0	6236.7	5050		
		6-11-68	7.7	6427.8	5050			13N/18E-33K01M	6242.0	10-06-67	12.8	6229.2	5050
		8-13-68	9.5	6426.0	5050	4-15-68	10.4			6231.6	5050		
		10-06-67	17.9	7262.1	5050	6-12-68	14.1			6227.9	5050		
		4-15-68	18.8	7261.2	5050	8-13-68	15.5			6226.5	5050		
		6-11-68	18.8	7261.2	5050	13N/18E-33M01M	6253.1			10-05-67	23.7	6229.4	5050
8-13-68	21.2	7258.8	5050	4-15-68	23.1			6230.0	5050				
10-06-67	32.7	6241.6	5050	6-12-68	24.9			6228.2	5050				
4-15-68	31.8	6242.5	5050	8-13-68	26.8			6226.3	5050				
6-12-68	(3)		5050	13N/18E-33R05M	6265.6			10-06-67	28.3	6237.3	5050		
8-13-68	(3)		5050			4-15-68	26.8	6238.8	5050				
10-06-67	44.5	6246.6	5050			6-12-68	27.5	6238.1	5050				
4-15-68	(4) 44.6	6246.5	5050			8-13-68	30.0	6235.6	5050				
6-12-68	44.6	6246.5	5050			13N/18E-34M02M	6262.8	10-06-67	23.8	6239.0	5050		
8-13-68	(4) 47.8	6243.3	5050	4-15-68	22.5			6240.3	5050				
10-05-67	21.8	6248.6	5050	6-12-68	24.2			6238.6	5050				
4-15-68	(4) 22.2	6248.2	5050	8-13-68	26.5			6236.3	5050				
6-11-68	(4) 22.9	6247.5	5050	12N/18E-03C10M	6263.2			10-05-67	25.0	6238.2	5050		
8-13-68	(4) 24.8	6245.6	5050			4-15-68	25.2	6238.0	5050				
10-05-67	25.0	6238.2	5050			6-12-68	26.7	6236.5	5050				
4-15-68	25.2	6238.0	5050			8-13-68	27.9	6235.3	5050				
6-12-68	26.7	6236.5	5050			12N/18E-03D05M	6253.4	10-05-67	16.8	6236.6	5050		
8-13-68	27.9	6235.3	5050	4-15-68	17.5			6235.9	5050				
10-05-67	16.8	6236.6	5050	6-11-68	17.7			6235.7	5050				
4-15-68	17.5	6235.9	5050	8-13-68	21.6			6231.8	5050				
6-11-68	17.7	6235.7	5050	12N/18E-03D08M	6261.9			10-05-67	28.6	6233.3	5050		
8-13-68	21.6	6231.8	5050			4-15-68	28.5	6233.4	5050				
10-05-67	28.6	6233.3	5050			6-12-68	29.7	6232.2	5050				
4-15-68	28.5	6233.4	5050			8-13-68	30.5	6231.4	5050				
6-12-68	29.7	6232.2	5050			12N/18E-04A05M	6254.4	10-05-67	20.5	6233.9	5050		
8-13-68	30.5	6231.4	5050	4-15-68	13.6			6240.8	5050				
10-05-67	20.5	6233.9	5050	6-11-68	21.8			6232.6	5050				
4-15-68	13.6	6240.8	5050	8-13-68	22.1			6232.3	5050				
6-11-68	21.8	6232.6	5050	12N/18E-04B02M	6236.7			8-13-68	8.0	6228.7	5050		
8-13-68	22.1	6232.3	5050			12N/18E-04B03M	6236.7	10-05-67	8.5	6228.2	5050		
10-05-67	8.5	6228.2	5050					4-15-68	8.1	6228.6	5050		
4-15-68	8.1	6228.6	5050					6-12-68	(6)		5050		
6-12-68	(6)		5050					12N/18E-04L01M	6264.0	10-05-67	(1)		5050
8-13-68	(1)		5050	4-15-68	25.5					6238.5	5050		
10-05-67	(1)		5050	6-11-68	(4) 26.3	6237.7	5050						
4-15-68	25.5	6238.5	5050	8-13-68	27.3	6236.7	5050						
6-11-68	(4) 26.3	6237.7	5050	12N/18E-05A02M	6239.7	10-05-67	5.0			6234.7	5050		
8-13-68	27.3	6236.7	5050			4-15-68	4.3	6235.4	5050				
10-05-67	5.0	6234.7	5050			6-11-68	5.8	6233.9	5050				
4-15-68	4.3	6235.4	5050			8-13-68	7.1	6232.6	5050				
6-11-68	5.8	6233.9	5050										



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Appendix D

SURFACE WATER QUALITY





## INTRODUCTION

This appendix presents surface water quality data collected during the period from October 1, 1967, through September 30, 1968. The data were collected from 297 stream and estuarine stations in Northeastern California by the U. S. Bureau of Reclamation and the Department of Water Resources. The U. S. Bureau of Reclamation data were collected for its Delta-San Luis Drainage Surveillance Program and are basically confined to the Sacramento-San Joaquin Delta.

During the 1967-68 water year, a detailed survey of the Yuba River watershed was conducted. Table D-2 brings together mineral analysis of all water samples collected in the Yuba River watershed over the past twenty years.

The Department of Water Resources Laboratory uses procedures from "Standard Methods for the Examination of Water and Waste Water", 12th Edition, 1967, for the determination of mineral, nutrient, and biological constituents. U. S. Bureau of Reclamation laboratory services are provided by the U. S. Air Force at McClellan Air Force Base. It uses procedures in accordance with the "FWPCA Methods for Chemical Analysis of Water and Wastes", November 1968, for all parameters.

Two numbering systems are used in this bulletin for identifying water quality stations. The first is for those stations for which the flow of water can be measured readily as in streams and rivers. This system is that which has been used in prior editions of the Bulletin No. 130 series and is also described in the departmental publication "Index of Stream Gaging Stations in and Adjacent to California, 1966".

The second system is used for those stations which do not fit the first. This system is described as follows: The first two digits identify the hydrologic basin as in the first system. The third digit identifies the type of water body being identified and for this publication is a "B" for Bay system, "D" for Sacramento-San Joaquin Delta system, "R" for reservoir, and "L" for lake. The next digit is the last digit of the latitude in degrees, "3" for 33°, or "9" for 29°. The next three digits are the minutes of latitude to the tenth of a minute. The last four digits are longitude in the same manner as latitude.

Example: E0 B 807.3 145.6

E0	San Francisco Bay
B	Water Body -- Bay
8	38° Latitude
07.3	07.3 Minutes Latitude
1	121° Longitude
45.6	45.6 Minutes Longitude



TABLE D-1  
SAMPLING STATION DATA AND INDEX

Station	Station Number	Location		Beginning Of Record	Frequency Of Sampling	Analyses on Pages						
		Latitude ° ' "	Longitude ° ' "			Tables					Figures	
						D-2 D-3	D-4	D-5	D-6	D-7	D-3 D-4 D-5	
AMERICAN RIVER AT NIMBUS DAM	A7 1110.00	38 38 12	121 31 10	Nov. 1958	Annually	414	-	-	-	-	-	-
AMERICAN RIVER AT SACRAMENTO	A0 7140.00	38 33 25	121 28 10	April 1951	Continuous	403	-	-	-	-	528	-
AMERICAN RIVER, MIDDLE FORK, NEAR AUBURN	A7 3100.00	38 55 05	121 00 45	July 1958	Semiannually	414	486	-	-	-	-	-
AMERICAN RIVER, SOUTH FORK, NEAR LOTUS (ABOVE GAGE)	A7 4150.10	38 49 27	120 56 42	July 1958	Semiannually	414	486	-	-	-	-	-
ANTELOPE CREEK NEAR RED BLUFF	A4 5110.50	40 12 10	122 07 05	Oct. 1958	Bimonthly	409	486	-	-	-	-	-
ANTELOPE LAKE OUTLET	A5 R 010.6 036.6	40 10 36	120 36 36	June 1967	Special	410	-	-	504	-	-	-
ANTELOPE RESERVOIR (STATION 1) (A5R81100361)	A5 R 011.0 036.1	40 11 00	120 36 06	Aug. 1966	Special	410	-	-	-	-	-	-
ANTELOPE VALLEY CREEK NEAR ANTELOPE MINE	A5 5575.75	39 37 48	120 17 06	Oct. 1967	Special	414	-	-	-	-	-	-
AUBURN RAVINE AT LINCOLN	A0 0058.00	38 52 58	121 17 35	March 1949	Semiannually	395	-	-	-	-	-	-
BATTLE CREEK NEAR COTTONWOOD	A4 7110.00	40 23 50	122 08 05	April 1958	Bimonthly	410	486	-	-	-	-	-
BEAR RIVER NEAR WHEATLAND	A0 6550.00	39 00 00	121 24 20	Dec. 1951	Irregular	402	486	-	-	-	-	-
BEAR VALLEY CREEK BELOW TURNER CANYON	A5 5618.41	39 37 00	120 13 12	Oct. 1967	Special	414	-	-	-	-	-	-
BEAR VALLEY CREEK NEAR BEAR VALLEY	A5 5618.75	39 34 30	120 12 54	Oct. 1967	Special	414	-	-	-	-	-	-
BETTERTON CREEK NEAR GRAEAGLE	A5 5325.51	39 46 38	120 34 29	Oct. 1967	Special	413	-	-	-	-	-	-
BIG BREAK AT BIG BREAK RESORT NEAR OAKLEY	B9 D 800.8 143.9	38 00 48	121 43 54	March 1968	Special	424	-	-	-	509	-	-
BIG BREAK AT DUTCH SLOUGH MOUTH	B9 D 801.4 143.5	38 01 26	121 43 31	March 1968	Special	430	-	-	-	511	-	-
BIG BREAK NEAR OAKLEY	B9 D 801.1 142.6	38 01 05	121 42 38	March 1968	Special	427	-	-	-	510	-	-
BIG CHICO CREEK NEAR CHICO	A4 2110.00	39 46 35	121 45 45	July 1952	Monthly	408	486	-	-	-	-	-
BIG GRIZZLY CREEK NEAR PORTOLA	A5 5480.00	39 52 00	120 27 20	Sept. 1967	Semiannually	413	486	-	-	-	-	-
BIG SPRINGS NEAR SIERRA CITY	A6 2620.01	39 35 50	120 36 36	May 1965	Special	475	486	-	-	-	-	-
BLOODY RUN CREEK NEAR NORTH SAN JUAN	A6 3350.00	39 24 02	120 54 03	Oct. 1967	Special	479	486	-	-	-	-	-
BRUSHY CREEK NEAR BYRON (B9 5286.50)	B9 D 750.1 136.5	37 50 06	121 36 28	May 1963	Special	419	-	-	-	-	-	-
BULLARDS BAR RESERVOIR NEAR LITTLE OREGON CREEK	A6 R 925.3 108.5	39 25 20	121 08 36	May 1965	Special	468	486	-	-	-	-	-
BULLARDS BAR RESERVOIR NEAR NORTH SAN JUAN	A6 2130.00	39 24 34	121 08 38	Oct. 1967	Special	470	-	-	-	-	-	-
BUTTE CREEK NEAR CHICO	A4 1110.00	39 43 34	121 42 28	July 1952	Monthly	408	486	-	-	-	-	-
CACHE CREEK NEAR CAPAY	A8 1120.00	38 43 43	122 06 14	Dec. 1951	Continuous	415	486	-	-	-	529	-
CACHE CREEK NEAR LOWER LAKE	A8 1350.00	38 55 24	122 33 54	Dec. 1951	Irregular	415	486	-	-	-	-	-
CACHE CREEK, NORTH FORK, NEAR LOWER LAKE	A8 2050.00	39 01 06	122 34 05	Dec. 1951	Semiannually	415	-	-	-	-	-	-
CACHE SLOUGH ABOVE LIBERTY ISLAND FERRY	B9 D 814.5 141.2	38 14 30	121 41 10	June 1968	Special	446	-	-	-	515	-	-
CACHE SLOUGH ABOVE SHAG SLOUGH	B9 D 816.4 142.3	38 16 23	121 42 20	June 1968	Special	447	-	-	-	516	-	-
CACHE SLOUGH AT MAINE PRAIRIE	B9 D 818.5 145.5	38 18 29	121 45 28	June 1968	Special	447	-	-	-	516	-	-
CACHE SLOUGH AT VALLEJO PUMPING PLANT	B9 D 817.8 144.8	38 17 49	121 44 50	June 1968	Special	447	-	-	-	516	-	-
CACHE SLOUGH BELOW HAAS SLOUGH	B9 D 817.2 143.1	38 17 10	121 43 06	June 1968	Special	447	-	-	-	516	-	-
CACHE SLOUGH BELOW MINER SLOUGH	B9 D 813.4 140.4	38 13 26	121 40 24	June 1968	Special	446	-	-	-	515	-	-
CACHE SLOUGH BELOW SHAG SLOUGH	B9 D 815.4 141.3	38 15 24	121 41 20	June 1968	Special	447	-	-	-	516	-	-
CALAVERAS RIVER ABOVE NEW HOGAN RESERVOIR	B2 5320.10	38 11 48	120 43 16	Jan. 1964	Monthly	417	486	-	-	-	-	-
CALAVERAS RIVER AT STOCKTON	B0 2515.01	37 59 35	121 17 11	July 1958	Irregular	416	486	-	-	-	-	-
CALAVERAS RIVER BELOW NEW HOGAN DAM	B2 5300.00	38 08 53	120 49 26	Jan. 1964	Monthly	417	486	-	-	-	-	-
CALF PASTURE CREEK NEAR CLIO	A5 5316.13	39 44 00	120 33 24	Sept. 1967	Special	413	-	-	-	-	-	-
CALHOUN CUT NEAR RIO VISTA	B9 D 815.6 147.2	38 15 37	121 47 13	June 1968	Special	447	-	-	-	516	-	-
CANYON CREEK BELOW BOWMAN LAKE	A6 4420.00	39 26 20	120 39 40	Oct. 1967	Special	483	-	-	-	-	-	-
CANYON CREEK NEAR STRAWBERRY VALLEY	A6 2220.01	39 31 23	121 03 06	Oct. 1967	Special	471	-	-	-	-	-	-
CANYON CREEK NEAR WASHINGTON	A6 4400.01	39 21 42	120 44 56	Oct. 1967	Special	482	486	-	-	-	-	-
CARQUINEZ STRAIT AT CROCKETT *	E0 B 803.5 213.3	38 03 28	122 13 18	1946	Four-Day	-	-	496	-	-	-	-
CARQUINEZ STRAIT AT MARTINEZ (EOB 38352134)	E0 B 801.9 207.8	38 01 55	122 07 46	1926	Four-Day	-	-	496	-	-	-	-
CARSON RIVER, EAST FORK, NEAR MARKLEEVILLE	G8 3420.20	38 41 20	119 45 44	Sept. 1958	Bimonthly	450	486	-	-	-	-	-
CARSON RIVER, WEST FORK, AT WOODFORDS	G8 2300.00	38 46 10	119 50 00	Aug. 1958	Bimonthly	450	487	-	-	-	-	-
CHEROKEE CREEK NEAR INDIAN VALLEY	A6 2240.01	39 30 59	121 02 00	Oct. 1967	Special	472	487	-	-	-	-	-
CLEAR CREEK NEAR IGO	A3 6130.00	40 30 47	122 31 24	Aug. 1958	Bimonthly	407	487	-	-	-	-	-
CLEAR CREEK NEAR NORTH SAN JUAN	A6 3118.01	39 22 46	121 05 22	Oct. 1967	Special	476	487	-	-	-	-	-
CLEAR LAKE AT LAKEPORT	A8 1720.00	39 02 36	122 54 48	April 1951	Irregular	415	487	-	-	-	-	-
COLD STREAM BELOW RICE CANYON CREEK	A5 5830.01	39 31 55	120 18 24	Oct. 1967	Special	414	-	-	-	-	-	-
COLUSA BASIN DRAIN NEAR COLUSA	A0 2976.00	39 11 45	122 03 35	July 1952	Monthly	399	487	-	-	-	-	-
COLUSA BASIN DRAIN NEAR KNIGHTS LANDING	A0 2947.10	38 48 45	121 46 25	March 1967	Monthly	398	487	-	-	-	-	-
COSTA CREEK NEAR CHALLENGE	A6 6261.01	39 29 03	121 14 32	May 1965	Special	484	-	-	-	-	-	-
COSUMNES RIVER AT MCCONNELL	B0 1125.00	38 21 29	121 20 34	July 1958	Irregular	415	487	-	-	-	-	-
COSUMNES RIVER AT MICHIGAN BAR	B1 1150.00	38 30 01	121 02 40	July 1952	Continuous	416	487	-	-	-	528	-
COSUMNES RIVER, MIDDLE FORK, NEAR SOMERSET	B1 3150.00	38 37 29	120 42 02	Oct. 1967	Semiannually	417	487	-	-	-	-	-
COSUMNES RIVER, NORTH FORK, AT BUCKS BAR	B1 2200.01	38 39 12	120 42 02	Oct. 1967	Semiannually	417	487	-	-	-	-	-
COSUMNES RIVER, SOUTH FORK, NEAR RIVER PINES	B1 4100.00	38 32 48	120 44 10	Oct. 1967	Annually	417	-	-	-	-	-	-
COTTONWOOD CREEK BELOW NORTH FORK COTTONWOOD CREEK	A0 3540.00	40 23 00	122 29 10	Oct. 1958	Bimonthly	400	487	-	-	-	-	-
COTTONWOOD CREEK NEAR BEAR VALLEY CAMPGROUND	A5 5815.55	39 32 12	120 15 12	Oct. 1967	Special	414	-	-	-	-	-	-
COTTONWOOD CREEK NEAR COTTONWOOD	A0 3520.00	40 23 10	122 14 15	April 1951	Monthly	400	487	-	-	-	-	-
COTTONWOOD CREEK, SOUTH FORK, ABOVE COTTONWOOD CREEK	A0 3595.00	40 18 59	122 26 52	Nov. 1958	Bimonthly	400	487	-	-	-	-	-
COW CREEK NEAR MILLVILLE	A4 8110.00	40 30 20	122 13 55	April 1958	Bimonthly	410	487	-	-	-	-	-
DEER CREEK AT NEVADA CITY	A6 1350.01	39 15 44	121 00 55	May 1965	Special	469	-	-	-	-	-	-
DEER CREEK NEAR SMARTSVILLE	A6 1250.00	39 13 28	121 16 03	Oct. 1957	Special	468	487	-	-	-	-	-
DELTA-MENDOTA CANAL INTAKE AT TRACY PUMPING PLANT **	B9 D 748.7 134.7	37 48 45	121 34 40	Sept. 1952	Special	418	-	-	505	508	-	-
DONNER CREEK AT DONNER LAKE NEAR TRUCKEE	G7 1565.00	39 19 24	120 14 00	Oct. 1967	Special	450	488	-	-	-	-	-
DOWNIE RIVER ABOVE PAULEY CREEK	A6 2440.01	39 34 18	120 49 15	Sept. 1967	Special	474	488	-	-	-	-	-
DOWNIE RIVER AT DOWNIEVILLE	A6 2430.00	39 33 45	120 49 25	March 1960	Special	474	-	-	-	-	-	-
DRY CREEK AT BROWNS VALLEY	A0 6205.01	39 13 49	121 23 56	Feb. 1957	Special	460	488	-	-	-	-	-
DRY CREEK AT VIRGINIA RANCH	A6 6150.00	39 19 20	121 18 45	Oct. 1952	Special	483	-	-	-	-	-	-
DRY CREEK NEAR CHALLENGE	A6 6260.01	39 29 02	121 14 38	May 1965	Special	484	-	-	-	-	-	-
DRY CREEK NEAR IONE	B2 1150.00	38 24 54	120 54 18	Oct. 1967	Annually	417	-	-	-	-	-	-

\* Formerly reported as SAN PABLO BAY AT CROCKETT, EOB 80352134.

\*\*Formerly reported as DELTA-MENDOTA CANAL AT INTAKE, B9 5925.00.



TABLE D-1  
SAMPLING STATION DATA AND INDEX

Station	Station Number	Location		Beginning Of Record	Frequency Of Sampling	Analyses on Pages						
		Latitude ° ' "	Longitude ° ' "			Tables					Figures	
						D-2 D-3	D-4	D-5	D-6	D-7	D-3 D-4	D-5
DUTCH SLOUGH AT FARRAR PARK BRIDGE *	B9 D 800.7 138.4	38 00 43	121 38 24	May 1955	Four-Day	421	-	-	-	-	-	-
EAST FORK CREEK BELOW WEAVER CREEK NEAR BOWMAN LAKE	A6 3435.01	39 28 53	120 40 05	Oct. 1967	Special	479	-	496	-	509	-	-
ELDER CREEK AT GERBER	A0 3320.00	40 03 05	122 09 55	Jan. 1959	Irregular	399	488	-	-	-	-	-
ELDER CREEK NEAR PASKENTA	A3 3110.00	40 01 30	122 30 36	Oct. 1958	Semiannually	407	488	-	-	-	-	-
FALSE RIVER AT BRADFORD ISLAND (B9 5045.01)	B9 D 803.5 140.0	38 03 28	121 40 01	April 1965	Four-Day	-	-	496	-	-	-	-
FALSE RIVER AT WEBB PUMP	B9 D 803.7 136.1	38 03 43	121 36 03	Feb. 1968	Continuous	439	-	-	-	513	529	-
FEATHER RIVER AT NICOLAUS	A0 5103.00	38 54 01	121 35 00	March 1949	Monthly	401	488	-	-	507	-	-
FEATHER RIVER AT OROVILLE	A0 5191.00	39 31 13	121 32 48	April 1951	Continuous	402	-	-	504	507	-	531
FEATHER RIVER AT YUBA CITY	A0 5135.00	39 08 20	121 36 17	July 1964	Continuous	-	-	-	-	-	-	531
FEATHER RIVER NEAR GRIDLEY	A0 5165.00	39 22 01	121 38 43	March 1967	Continuous	401	488	-	504	507	528	-
FEATHER RIVER, MIDDLE FORK, AT SLOAT	A5 5250.00	39 51 24	120 43 06	March 1968	Semiannually	412	488	-	-	-	-	-
FEATHER RIVER, MIDDLE FORK, NEAR MERRIMAC	A5 5100.00	39 42 30	121 16 15	July 1963	Special	412	488	-	-	508	-	-
FEATHER RIVER, M.F., UNNAMED TRIB, NEAR BLAIRSDEN	A5 5290.11	39 47 42	120 36 12	Oct. 1967	Special	412	-	-	-	-	-	-
FEATHER RIVER, M.F., UNNAMED TRIB, NEAR GRAEAGLE	A5 5297.21	39 46 42	120 35 12	Oct. 1967	Special	413	-	-	-	-	-	-
FEATHER RIVER, NORTH FORK, ABOVE POE DAM **	A5 3151.01	39 48 35	121 25 56	Sept. 1968	Semiannually	412	488	-	-	508	-	-
FEATHER RIVER, NORTH FORK, AT BIG BAR **	A5 3140.00	39 48 04	121 26 50	July 1963	Semiannually	412	488	-	-	-	-	-
FEATHER RIVER, SOUTH FORK, BELOW PONDEROSA DAM **	A5 6080.00	39 33 06	121 18 30	July 1958	Semiannually	414	488	-	-	508	-	-
FEATHER RIVER, SF, MINERS RANCH DITCH AT SF BR **	A5 6925.80	39 32 48	121 18 12	Sept. 1968	Semiannually	414	488	-	-	508	-	-
FEATHER RIVER, WEST BRANCH, NEAR PARADISE	A5 2250.00	39 47 15	121 33 40	Oct. 1967	Annually	412	488	-	-	508	-	-
FIDDLE CREEK NEAR CAMPTONVILLE	A6 2260.01	39 31 10	120 59 44	March 1960	Special	472	488	-	-	-	-	-
FRANKS TRACT NEAR RUSSOS LANDING	B9 D 802.6 136.8	38 02 38	121 36 49	April 1968	Special	434	-	-	-	512	-	-
FRENCHMAN RESERVOIR OUTLET	A5 R 953.6 011.3	39 53 35	120 11 18	July 1962	Special	412	-	-	-	-	-	-
FRENCHMAN RESERVOIR (STATION 9)	A5 R 954.0 011.6	39 54 00	120 11 36	Oct. 1966	Special	412	-	-	505	-	-	-
GENERAL CREEK NEAR MEEKS BAY	G7 3300.01	39 03 15	120 06 49	July 1968	Special	-	-	-	-	518	-	-
GOODYEARS CREEK AT GOODYEARS BAR	A6 2310.00	39 32 30	120 53 12	March 1960	Special	473	488	-	-	-	-	-
GRIZZLY CREEK NEAR NORTH SAN JUAN	A6 3300.00	39 24 10	120 57 53	Oct. 1967	Special	478	488	-	-	-	-	-
HAAS SLOUGH BELOW DUCK SLOUGH	B9 D 818.2 143.7	38 18 15	121 43 40	June 1968	Special	447	-	-	-	516	-	-
HAYPRESS CREEK AT NORTH YUBA RIVER	A6 2550.01	39 34 05	120 36 48	Aug. 1959	Special	475	488	-	-	-	-	-
INCLINE CREEK NEAR LIVE OAK	A0 5708.01	39 18 37	121 37 00	April 1967	Special	402	488	-	-	-	-	-
INCLINE CREEK AT INCLINE VILLAGE	G7 3253.01	39 14 30	119 56 33	July 1968	Special	-	-	-	-	518	-	-
INDIAN CREEK NEAR CRESCENT MILLS	A5 4320.00	40 04 20	120 55 35	April 1951	Semiannually	412	488	-	-	-	-	-
ITALIAN SLOUGH AT BYRON BETHANY PUMPS (B9 5288.50)	B9 D 749.6 135.9	37 49 34	121 35 53	May 1963	Special	418	-	-	-	-	-	-
ITALIAN SLOUGH AT CLIFTON COURT RD BR (B9 5285.50)	B9 D 750.3 136.1	37 50 17	121 36 08	May 1963	Special	419	-	-	-	-	-	-
ITALIAN SLOUGH NEAR MOUTH (B9 5278.01)	B9 D 750.9 135.3	37 50 55	121 35 15	Sept. 1952	Special	420	-	-	505	508	-	-
JACK SLOUGH AT MARYSVILLE	A0 5660.00	39 09 34	121 35 34	Sept. 1967	Special	402	488	-	-	-	-	-
JIM CROW CREEK NEAR DOWNIEVILLE	A6 2470.01	39 03 02	120 46 47	Oct. 1967	Special	475	488	-	-	-	-	-
KANAKA CREEK BELOW ALLEGHANY	A6 3325.01	39 27 16	120 51 36	Sept. 1967	Special	479	488	-	-	-	-	-
KANAKA CREEK NEAR ALLEGHANY	A6 3320.01	39 25 19	120 56 33	Sept. 1967	Special	478	488	-	-	-	-	-
KENTUCKY RAVINE AT BRIDGEPORT	A6 4003.01	39 17 24	121 11 45	March 1960	Special	480	488	-	-	-	-	-
LADIES CANYON NEAR SIERRA CITY	A6 2480.01	39 34 08	120 43 13	March 1960	Special	475	488	-	-	-	-	-
LAKE DAVIS OUTLET	A5 R 952.9 028.3	39 52 54	120 28 18	Sept. 1968	Special	411	-	-	-	-	-	-
LAKE DAVIS (STATION 1)	A5 R 953.0 028.6	39 53 00	120 28 36	Sept. 1968	Special	411	-	-	505	-	-	-
LAKE OROVILLE (STATION 1)	A5 R 932.7 128.5	39 32 42	121 28 30	April 1968	Special	410	-	-	504	507	-	-
LAKE OROVILLE (STATION 2)	A5 R 937.0 129.3	39 37 00	121 29 18	April 1968	Special	411	-	-	504	508	-	-
LAKE OROVILLE (STATION 3)	A5 R 933.1 125.7	39 33 06	121 25 42	April 1968	Special	411	-	-	504	508	-	-
LAKE OROVILLE (STATION 4)	A5 R 933.4 128.0	39 33 24	121 28 00	May 1968	Special	411	-	-	504	-	-	-
LAKE TAHOE AT EMERALD BAY (STATION JI-2)	G7 L 858.3 004.3	38 58 20	120 04 18	April 1965	Special	-	-	-	-	517	-	-
LAKE TAHOE AT GLENBROOK (STATION L-3)	G7 L 905.4 956.4	39 05 22	119 56 26	July 1968	Special	-	-	-	-	517	-	-
LAKE TAHOE AT INCLINE GUARD STATION (STATION L-4)	G7 L 914.2 956.8	39 14 15	119 56 45	July 1968	Special	-	-	-	-	518	-	-
LAKE TAHOE AT RUBICON BAY (STATION L-2)	G7 L 900.8 006.6	39 00 51	120 06 39	July 1968	Special	-	-	-	-	517	-	-
LAKE TAHOE AT TAHOE CITY	G7 1710.00	39 10 04	120 08 53	April 1951	Special	450	488	-	-	-	-	-
LAKE TAHOE AT TAHOE VISTA (STATION L-7)	G7 L 914.2 003.2	39 14 15	120 03 10	July 1968	Special	-	-	-	-	517	-	-
LAKE TAHOE AT ZEPHYR COVE (STATION L-8)	G7 L 900.5 957.0	39 00 32	119 56 58	July 1968	Special	-	-	-	-	517	-	-
LAKE TAHOE NEAR BIJOU (STATION JI-1)	G7 L 857.0 000.0	38 57 00	119 59 58	April 1965	Special	-	-	-	-	517	-	-
LAKE TAHOE NEAR CENTER (STATION JI-3A)	G7 L 905.0 000.5	39 05 00	120 00 29	Aug. 1965	Special	-	-	-	-	517	-	-
LAKE TAHOE NEAR CHAMBERS LODGE (STATION L-9)	G7 L 904.5 008.3	39 04 28	120 08 17	July 1968	Special	-	-	-	-	517	-	-
LAKE TAHOE NEAR INCLINE (STATION JI-4)	G7 L 914.5 956.7	39 14 30	119 07 29	April 1965	Special	-	-	-	-	518	-	-
LAKE TAHOE NEAR LAKE FOREST (STATION L-5)	G7 L 910.5 006.8	39 10 35	120 06 50	July 1968	Special	-	-	-	-	517	-	-
LAKE TAHOE NEAR TAHOE CITY (STATION JI-5)	G7 L 910.0 007.6	39 10 00	120 07 39	April 1965	Special	-	-	-	-	517	-	-
LAKE TAHOE NEAR TAHOE KEYS (STATION L-1)	G7 L 856.6 000.6	38 56 37	120 00 37	July 1968	Special	-	-	-	-	516	-	-
LAKE TAHOE NEAR TAYLOR CREEK (STATION L-6)	G7 L 856.6 003.4	38 56 34	120 03 23	July 1968	Special	-	-	-	-	516	-	-
LAKE TAHOE ON STATE LINE, NORTH CENTER (STATION C-2)	G7 L 908.7 000.3	39 08 42	120 00 15	July 1968	Special	-	-	-	-	517	-	-
LAKE TAHOE ON STATE LINE, SOUTH CENTER (STATION C-1)	G7 L 900.0 000.0	39 00 00	120 00 00	July 1968	Special	-	-	-	-	517	-	-
LINSEY SLOUGH NEAR RIO VISTA (B9 1260.00)	B9 D 814.8 142.4	38 14 45	121 42 26	Oct. 1952	Special	447	-	-	-	515	-	-
LITTLE LAST CHANCE CREEK BELOW FRENCHMAN DAM	A5 5525.00	39 53 36	120 11 17	Sept. 1957	Semiannually	413	488	-	-	-	-	-
LITTLE OREGON CREEK AT BULLARDS BAR RESERVOIR	A6 2150.01	39 25 24	121 08 41	May 1965	Special	471	-	-	-	-	-	-
LOWER SALMON LAKE NEAR SIERRA CITY	A6 L 939.1 038.6	39 39 04	120 38 35	June 1962	Special	468	-	-	-	-	-	-
LOWER SARDINE LAKE NEAR SIERRA CITY	A6 L 937.0 037.4	39 37 00	120 37 24	March 1962	Special	467	-	-	-	-	-	-
MCCLOUD RIVER ABOVE SHASTA LAKE	A2 2150.00	40 57 30	122 13 05	April 1951	Monthly	405	488	-	-	-	-	-
MIDDLE RIVER AT BORDEN HWY NEAR TRACY (B9 5500.00)	B9 D 753.5 129.3	37 53 28	121 29 20	Sept. 1968	Special	-	-	-	505	-	-	-
MILL CREEK NEAR LOS MOLINOS	A4 4110.00	40 03 17	122 01 23	July 1952	Monthly	409	489	-	-	-	-	-
MOKELUNNE RIVER AT HIGHWAY 12 BRIDGE (B9 4095.00)	B9 D 807.6 134.7	38 07 33	121 34 42	April 1961	Continuous	-	-	-	-	-	528	-
MOKELUNNE RIVER AT WOODBRIDGE	B0 2105.00	38 09 30	121 18 10	April 1951	Irregular	416	489	-	-	-	-	-
MOKELUNNE RIVER BELOW CAMANCHE DAM	B0 2143.00	38 13 15	121 02 20	March 1965	Special	416	489	-	-	-	-	-
NEW YORK CREEK NEAR CHALLENGE	A6 6251.01	39 28 48	121 15 06	May 1965	Special	483	-	-	-	-	-	-

\* Formerly reported as DUTCH SLOUGH AT BETHEL ISLAND BRIDGE, B9 5031.01.  
\*\* These are alternate stations.



TABLE D-1  
SAMPLING STATION DATA AND INDEX

Station	Station Number	Location		Beginning Of Record	Frequency Of Sampling	Analyses on Pages						
		Latitude ° ' "	Longitude ° ' "			Tables					Figures	
						D-2 D-3	D-4	D-5	D-6	D-7	D-3 D-4	D-5
NEW YORK SLOUGH NEAR PITTSBURG POINT	B9 D 801.9 151.4	38 01 54	121 51 25	Sept. 1968	Special	433	-	-	-	511	-	-
OLD RIVER AT CLIFTON COURT ROAD BRIDGE *	B9 D 749.5 133.1	37 49 28	121 33 05	Oct. 1963	Continuous	-	-	-	-	-	-	531
OLD RIVER AT HOLLAND TRACT (B9 5140)	B9 D 800.5 134.8	38 00 27	121 34 47	April 1968	Continuous	421	-	-	-	508	529	-
OLD RIVER AT MOUTH	B9 D 804.4 134.2	38 04 23	121 34 14	Feb. 1968	Special	439	-	-	-	513	-	-
OLD RIVER AT TRACY ROAD BRIDGE	B9 D 748.3 126.9	37 48 17	121 26 55	Feb. 1968	Special	417	-	-	-	-	-	-
OLD RIVER NEAR BYRON	B9 D 753.5 134.2	37 53 28	121 34 09	Aug. 1965	Special	420	-	-	505	-	-	-
OREGON CREEK ABOVE MIDDLE YUBA RIVER	A6 3160.60	39 23 45	121 04 56	Oct. 1957	Special	477	-	-	-	-	-	-
OREGON CREEK AT MIDDLE YUBA RIVER	A6 3160.01	39 23 45	121 04 57	March 1957	Special	476	489	-	-	-	-	-
PACKER LAKE NEAR SIERRA CITY	A6 L 937.4 039.3	39 37 22	120 39 20	June 1962	Special	468	-	-	-	-	-	-
PAULEY CREEK NEAR DOWNIEVILLE	A6 2435.01	39 34 11	120 49 13	Sept. 1967	Special	474	-	-	-	-	-	-
PIT RIVER NEAR CANBY	A1 1680.00	41 24 23	120 55 38	April 1951	Monthly	403	489	-	-	-	-	-
PIT RIVER NEAR MONTGOMERY CREEK	A1 1020.00	40 50 30	122 01 00	April 1951	Monthly	403	489	-	-	-	-	-
PIT RIVER, SOUTH FORK, NEAR LIKELY	A1 4400.00	41 13 51	120 26 10	Aug. 1958	Monthly	404	489	-	-	-	-	-
POORMAN CREEK NEAR WASHINGTON	A6 4310.00	39 21 36	120 48 24	March 1960	Special	481	490	-	-	-	-	-
PROSPECT SLOUGH NEAR RIO VISTA	B9 D 815.4 140.2	38 15 23	121 40 15	June 1968	Special	446	-	-	-	515	-	-
PUTAH CREEK NEAR WINTERS	A9 1250.00	38 30 55	122 04 50	Dec. 1951	Annually	415	-	-	-	-	-	-
RATTLESNAKE CREEK NEAR CISCO	A6 4710.01	39 18 52	120 33 00	Oct. 1967	Special	483	-	-	-	-	-	-
RED BANK CREEK NEAR RED BLUFF	A0 3460.00	40 05 25	122 24 45	Jan. 1959	Irregular	399	490	-	-	-	-	-
RICE CANYON CREEK ABOVE COLD STREAM	A5 5831.11	39 31 54	120 18 12	Oct. 1967	Special	414	-	-	-	-	-	-
ROCK CREEK ABOVE WOODRUFF CREEK	A6 2370.01	39 32 10	120 53 00	April 1968	Special	474	-	-	-	-	-	-
ROCK CREEK AT GOODYEARS BAR	A6 2350.00	39 32 15	120 53 05	Oct. 1967	Special	473	490	-	-	-	-	-
SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN	A0 2430.02	38 48 29	121 43 25	July 1960	Monthly	396	490	-	-	-	-	-
SACRAMENTO RIVER AT BEND	A0 2785.00	40 15 48	122 13 19	May 1955	Monthly	397	490	-	-	-	-	-
SACRAMENTO RIVER AT BUTTE CITY	A0 2500.00	39 27 35	121 59 35	May 1955	Monthly	396	491	-	-	-	-	-
SACRAMENTO RIVER AT COLLINSVILLE (B9 1100.00)	B9 D 804.4 151.0	38 04 27	121 50 58	1924	Four-Day	-	-	496	-	-	-	-
SACRAMENTO RIVER AT COLUSA	A0 2420.00	39 12 48	121 59 54	Oct. 1958	Monthly	395	491	-	-	-	-	-
SACRAMENTO RIVER AT DELTA	A2 1300.00	40 56 20	122 24 55	April 1951	Monthly	405	492	-	-	-	-	-
SACRAMENTO RIVER AT EMMATON	B9 D 805.1 144.3	38 05 04	121 44 17	Oct. 1967	Continuous	440	-	-	-	513	530	-
SACRAMENTO RIVER AT EMMATON (MIDCHANNEL)	B9 D 805.1 144.7	38 05 08	121 44 42	Jan. 1968	Special	442	-	-	-	-	-	-
SACRAMENTO RIVER AT FREEPORT (B9 1840.00)	B9 D 827.3 130.0	38 27 21	121 30 00	June 1960	Monthly	448	492	-	-	516	-	-
SACRAMENTO RIVER AT FREMONT WEIR, WEST END	A0 2170.00	38 45 34	121 39 59	June 1965	Continuous	-	-	-	-	-	-	531
SACRAMENTO RIVER AT GREENS LANDING (B9 1745.00)	B9 D 820.7 132.7	38 20 45	121 32 42	July 1962	Monthly	447	-	-	-	-	-	-
SACRAMENTO RIVER AT HAMILTON CITY	A0 2630.00	39 45 06	121 59 48	April 1951	Monthly	397	492	-	-	-	-	-
SACRAMENTO RIVER AT ISLETON BRIDGE (B9 1600.01)	B9 D 810.3 135.6	38 10 20	121 35 35	April 1960	Four-Day	-	-	496	-	-	-	-
SACRAMENTO RIVER AT KESWICK	A2 1010.00	40 36 40	122 26 45	April 1951	Continuous	404	492	-	-	-	-	528
SACRAMENTO RIVER AT PITTSBURG **	B9 D 802.3 153.0	38 02 18	121 52 58	1945	Four-Day	-	-	496	-	-	-	-
SACRAMENTO RIVER AT RIO VISTA BRIDGE (B9 1210.10)	B9 D 809.6 141.1	38 09 35	121 41 06	April 1951	Four-Day	-	-	496	-	515	-	-
SACRAMENTO RIVER AT SACRAMENTO WEIR	A0 2105.00	38 36 09	121 33 12	April 1960	Continuous	-	-	-	-	-	-	531
SACRAMENTO RIVER AT STEAMBOAT SLOUGH	B9 D 810.6 139.8	38 10 38	121 39 50	Jan. 1968	Special	446	-	-	-	515	-	-
SACRAMENTO RIVER AT TOLANDS LANDING	B9 D 805.2 145.0	38 05 12	121 45 00	Jan. 1968	Special	442	-	-	-	514	-	-
SACRAMENTO RIVER AT WALNUT GROVE (B9 1600)	B9 D 814.5 130.8	38 14 32	121 30 48	Dec. 1960	Continuous	-	-	-	-	-	-	531
SACRAMENTO RIVER BELOW EMMATON ***	B9 D 804.6 145.2	38 04 35	121 45 10	1955	Four-Day	-	-	496	-	-	-	-
SACRAMENTO RIVER BELOW KNIGHTS LANDING	A0 2195.01	38 45 38	121 40 35	Oct. 1967	Monthly	395	493	-	-	-	-	-
SACRAMENTO RIVER BELOW RIO VISTA BRIDGE	B9 D 809.4 141.0	38 09 27	121 41 01	Jan. 1968	Special	444	-	-	-	-	-	-
SACRAMENTO SHIP CHANNEL ABOVE CACHE SLOUGH (LT 67-68)	B9 D 814.3 140.3	38 14 15	121 40 19	June 1968	Special	446	-	-	-	515	-	-
SACRAMENTO SLOUGH NEAR KNIGHTS LANDING	A0 2925.00	38 46 50	121 38 03	June 1951	Irregular	398	498	-	-	-	-	-
SAN JOAQUIN RIVER ABOVE BLIND POINT	B9 D 802.0 142.8	38 02 02	121 42 48	June 1968	Special	433	-	-	-	-	-	-
SAN JOAQUIN RIVER ABOVE DUTCH SLOUGH	B9 D 801.8 143.7	38 01 48	121 43 43	May 1958	Special	433	-	-	-	-	-	-
SAN JOAQUIN RIVER ABOVE LIGHT 26	B9 D 804.3 140.6	38 04 17	121 40 35	June 1968	Special	439	-	-	-	513	-	-
SAN JOAQUIN RIVER ABOVE LIGHT 28	B9 D 805.7 140.4	38 05 42	121 40 22	June 1968	Special	442	-	-	-	514	-	-
SAN JOAQUIN RIVER AT ANTIOCH (B9 5020.00)	B9 D 801.1 148.1	38 01 04	121 48 06	April 1951	Continuous	427	-	496	505	510	530	-
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (B9 5020.10)	B9 D 801.7 145.0	38 01 43	121 44 58	June 1960	Four-Day	-	-	496	-	-	-	-
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (COUNTY LINE)	B9 D 801.5 145.0	38 01 43	121 44 58	June 1960	Special	430	-	-	-	511	-	-
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (AT LIGHT 12)	B9 D 801.6 145.2	38 01 38	121 45 12	June 1960	Special	430	-	-	-	511	-	-
SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL	B9 D 801.2 148.5	38 01 15	121 48 28	March 1968	Special	428	-	-	-	510	-	-
SAN JOAQUIN RIVER AT BLIND POINT (B9 5029.00)	B9 D 801.9 143.2	38 01 57	121 43 09	May 1968	Special	433	-	-	-	-	-	-
SAN JOAQUIN RIVER AT BRADFORD ISLAND	B9 D 804.6 140.7	38 04 34	121 40 40	June 1968	Special	490	-	-	-	513	-	-
SAN JOAQUIN RIVER AT BUCKLEY COVE	B9 D 758.7 122.9	37 58 42	121 22 55	Feb. 1968	Special	420	-	-	-	-	-	-
SAN JOAQUIN RIVER AT JERSEY ISLAND (B9 5035.01)	B9 D 802.6 141.5	38 02 37	121 41 32	July 1952	Four-Day	-	-	496	-	-	-	-
SAN JOAQUIN RIVER AT JERSEY POINT	B9 D 803.1 141.3	38 03 09	121 41 17	Oct. 1967	Continuous	435	-	-	-	512	530	-
SAN JOAQUIN RIVER AT LIGHT 17 NEAR CURTIS LANDING	B9 D 801.7 144.3	38 01 43	121 44 17	May 1968	Special	433	-	-	-	511	-	-
SAN JOAQUIN RIVER AT LIGHT 19	B9 D 802.1 142.5	38 02 09	121 42 27	June 1968	Special	434	-	-	-	511	-	-
SAN JOAQUIN RIVER AT LIGHT 34	B9 D 805.8 137.7	38 05 50	121 37 43	June 1968	Special	442	-	-	-	514	-	-
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE ****	B9 D 747.1 118.4	38 47 11	121 18 22	Sept. 1952	Four-Day	-	-	496	-	-	-	-
SAN JOAQUIN RIVER AT OLD RIVER	B9 D 804.7 134.1	38 04 41	121 34 05	Feb. 1968	Special	440	-	-	-	513	-	-
SAN JOAQUIN RIVER AT RINDGE PUMP (B9 5620)	B9 D 759.8 125.1	37 59 51	121 25 06	Jan. 1965	Continuous	-	-	-	-	-	-	531
SAN JOAQUIN R. AT SAN ANDREAS LANDING (B9 5100.00)	B9 D 806.3 135.6	38 06 20	121 35 37	March 1952	Four-Day	-	-	496	-	-	-	-
SAN JOAQUIN RIVER AT TWITCHELL ISLAND	B9 D 805.8 140.1	38 05 50	121 40 05	Feb. 1968	Special	442	-	-	-	514	-	-
SAN JOAQUIN RIVER BY ANTIOCH (B9 5010.01)	B9 D 801.1 148.8	38 01 07	121 48 50	Oct. 1966	Bimonthly	427	-	-	-	510	-	-
SAN JOAQUIN RIVER OPPOSITE DUTCH SLOUGH	B9 D 801.8 144.0	38 01 46	121 43 58	May 1968	Special	433	-	-	-	-	-	-
SCOTCHMAN CREEK NEAR WASHINGTON	A6 4345.01	39 21 13	120 47 00	May 1965	Special	482	-	-	-	-	-	-
SCOTCHMAN CREEK TRIBUTARY NEAR WASHINGTON	A6 4345.10	39 21 11	120 47 01	May 1965	Special	482	-	-	-	-	-	-
SHADY CREEK NEAR NORTH SAN JUAN	A6 4080.01	39 19 24	121 06 04	March 1957	Special	480	493	-	-	-	-	-
SHAG SLOUGH NEAR CACHE SLOUGH	B9 D 816.4 141.5	38 16 23	121 41 33	June 1968	Special	447	-	-	-	516	-	-
SLATE CREEK NEAR STRAWBERRY VALLEY	A6 2191.01	39 31 34	121 05 22	Oct. 1957	Special	471	493	-	-	-	-	-

\* Formerly reported as OLD RIVER AT CLIFTON COURT FERRY, B9 5340.  
 \*\* Formerly reported as SUISUN BAY AT PITTSBURG, B9 1070.01.  
 \*\*\* Formerly reported as SACRAMENTO RIVER AT EMMATON, B9 1120.01.  
 \*\*\*\* Formerly reported as SAN JOAQUIN RIVER AT MOSSDALE, B9 5820.00.



TABLE D-1  
SAMPLING STATION DATA AND INDEX

Station	Station Number	Location		Beginning Of Record	Frequency Of Sampling	Analyses on Pages						
		Latitude ° ' "	Longitude ° ' "			Tables					Figures	
						D-2 D-3	D-4	D-5	D-6	D-7	D-3 D-4 D-5	
STEAMBOAT SLOUGH ABOVE CACHE SLOUGH	B9 D 811.0 139.3	38 10 59	121 39 20	Feb. 1968	Special	446	-	-	-	515	-	-
STONY CREEK BELOW BLACK BUTTE DAM	A3 1110.00	39 49 00	122 20 10	Aug. 1957	Monthly	406	-	-	-	-	-	-
STONY CREEK NEAR FRUTO	A3 1250.00	39 40 15	122 31 05	Oct. 1960	Monthly	406	494	-	-	-	-	-
SUISUN BAY AT NICHOLS (EO 3350.00)	EO B 803.0 159.0	38 03 01	121 58 58	1945	Four-Day	-	-	496	-	-	-	-
SUISUN BAY AT PORT CHICAGO (EO 3330.01)	EO B 803.4 202.3	38 03 24	122 02 20	1945	Four-Day	-	-	496	-	-	-	-
SUSAN RIVER AT SUSANVILLE	G4 1600.00	40 25 05	120 40 15	April 1951	Monthly	448	494	-	-	-	-	-
TAYLOR CREEK NEAR CAMP RICHARDSON	G7 3571.01	38 55 50	120 03 13	July 1968	Special	-	-	-	-	518	-	-
THOMES CREEK AT PASKENTA	A3 2120.00	39 52 57	122 33 03	Oct. 1958	Monthly	399	494	-	-	-	-	-
THOMES CREEK AT RICHFIELD	A0 3200.00	39 58 45	122 10 35	Jan. 1959	Annually	407	494	-	-	-	-	-
THREEMILE SLOUGH AT SACRAMENTO RIVER *	B9 D 806.4 142.0	38 06 22	121 42 02	1931	Four-Day	444	-	496	-	-	-	-
THREEMILE SLOUGH AT SAN JOAQUIN RIVER (B9 5060.00)	B9 D 805.2 141.1	38 05 13	121 41 07	1955	Four-Day	-	-	496	-	-	-	-
TRUCKEE RIVER NEAR FARAD	G7 1195.00	39 25 13	120 01 51	April 1951	Continuous	449	494	-	-	-	528	-
UPPER SALMON LAKE NEAR SIERRA CITY	A6 L 939.5 039.2	39 39 28	120 39 11	June 1962	Special	468	-	-	-	-	-	-
UPPER SARDINE LAKE NEAR SIERRA CITY	A6 L 936.7 037.9	39 36 45	120 37 55	June 1962	Special	467	-	-	-	-	-	-
UPPER TRUCKEE RIVER AT SOUTH TAHOE	G7 3705.01	38 55 24	119 59 28	July 1968	Special	-	-	-	-	518	-	-
UPPER TRUCKEE RIVER NEAR MEYERS	G7 3750.00	38 50 35	120 01 25	Oct. 1967	Special	450	494	-	-	-	-	-
WALKER RIVER, EAST, NEAR BRIDGEPORT	G9 3200.00	38 19 40	119 12 49	Aug. 1958	Bimonthly	451	494	-	-	-	-	-
WALKER RIVER, WEST, NEAR COLEVILLE (G9 2400.00)	G9 2460.00	38 22 48	119 27 00	Aug. 1958	Bimonthly	451	494	-	-	-	-	-
WASHINGTON CREEK AT WASHINGTON	A6 4341.01	39 21 24	120 48 02	March 1960	Special	481	494	-	-	-	-	-
WASHINGTON CREEK NEAR WASHINGTON	A6 4341.50	39 20 28	120 47 43	May 1965	Special	481	-	-	-	-	-	-
WILLOW CREEK ABOVE PORTOLA RESERVOIR	A5 5331.69	39 49 42	120 33 30	Oct. 1967	Special	413	-	-	-	-	-	-
WILLOW CREEK ABOVE TRIBUTARY NEAR PORTOLA RESERVOIR	A5 5331.83	39 50 00	120 33 12	Oct. 1967	Special	413	-	-	-	-	-	-
WILLOW CREEK AT PORTOLA RESERVOIR	A5 5331.61	39 49 30	120 33 40	Oct. 1967	Special	413	-	-	-	-	-	-
WILLOW CREEK BELOW PORTOLA RESERVOIR	A5 5331.55	39 49 06	120 33 12	Oct. 1967	Special	413	-	-	-	-	-	-
WILLOW CREEK BELOW UNNAMED TRIB NEAR PORTOLA RES.	A5 5331.73	39 49 54	120 33 18	Oct. 1967	Special	413	-	-	-	-	-	-
WILLOW CREEK DIVERSION NEAR MABIE	A5 5931.51	39 48 03	120 32 05	Oct. 1967	Special	414	-	-	-	-	-	-
WILLOW CREEK HEADWATERS NEAR PORTOLA RESERVOIR	A5 5331.94	39 51 06	120 31 36	Oct. 1967	Special	413	-	-	-	-	-	-
WILLOW CREEK NEAR CAMPTONVILLE	A6 2140.01	39 26 09	121 06 16	March 1960	Special	470	494	-	-	-	-	-
WILLOW CREEK NEAR WEEDS POINT	A6 2145.01	39 28 43	121 02 30	Sept. 1967	Special	470	-	-	-	-	-	-
WILLOW CREEK, UNNAMED TRIB, NEAR PORTOLA RESERVOIR	A5 5331.77	39 50 00	120 33 18	Oct. 1967	Special	413	-	-	-	-	-	-
WOLF CREEK NEAR ALLEGHANY	A6 3405.01	39 26 23	120 48 17	Oct. 1967	Special	479	494	-	-	-	-	-
WOODRUFF CREEK AT GOODYEARS BAR	A6 2360.01	39 32 08	120 53 02	Sept. 1967	Special	473	494	-	-	-	-	-
YUBA RIVER ABOVE COLGATE POWERHOUSE	A6 1650.01	39 19 49	121 11 12	April 1968	Special	469	494	-	-	-	-	-
YUBA RIVER AT DAGUERRE POINT	A0 6170.01	39 12 35	121 26 37	April 1968	Special	460	494	-	-	-	-	-
YUBA RIVER AT MARYSVILLE	A0 6120.00	39 08 32	121 34 30	April 1951	Special	453	494	-	-	-	-	-
YUBA RIVER AT PARKS BAR BRIDGE	A0 6300.00	39 13 17	121 20 05	April 1951	Special	460	494	-	-	-	-	-
YUBA RIVER AT RICE CROSSING	A6 1600.01	39 18 45	121 12 13	Oct. 1967	Special	469	494	-	-	-	-	-
YUBA RIVER NEAR MARYSVILLE	A0 6105.01	39 07 49	121 35 42	Oct. 1967	Special	453	494	-	-	-	-	-
YUBA RIVER, MIDDLE, ABOVE KANAKA CREEK	A6 3330.01	39 25 11	120 56 30	Sept. 1967	Special	479	495	-	-	-	-	-
YUBA RIVER, MIDDLE, ABOVE OREGON CREEK	A6 3240.00	39 23 35	121 04 50	March 1957	Special	477	495	-	-	-	-	-
YUBA RIVER, MIDDLE, ABOVE WOLF CREEK	A6 3413.00	39 26 20	120 48 14	April 1968	Special	479	495	-	-	-	-	-
YUBA RIVER, MIDDLE, AT FOOTE CROSSING	A6 3310.01	39 25 01	120 57 06	Sept. 1967	Special	478	495	-	-	-	-	-
YUBA RIVER, MIDDLE, AT FREEMANS CROSSING	A6 3120.80	39 23 21	121 05 05	May 1965	Special	476	-	-	-	-	-	-
YUBA RIVER, MIDDLE, BELOW JACKSON MEADOWS RESERVOIR	A6 3460.00	39 30 58	120 33 40	Oct. 1967	Special	480	-	-	-	-	-	-
YUBA RIVER, MIDDLE, BELOW MILTON RESERVOIR	A6 3448.00	39 31 20	120 35 00	Oct. 1967	Special	479	-	-	-	-	-	-
YUBA RIVER, MIDDLE, BELOW OREGON CREEK	A6 3125.01	39 23 37	121 05 02	Oct. 1952	Special	476	-	-	-	-	-	-
YUBA RIVER, MIDDLE, NEAR ALLEGHANY	A6 3400.00	39 26 19	120 48 40	Aug. 1959	Special	479	495	-	-	-	-	-
YUBA RIVER, NORTH, ABOVE CANYON CREEK	A6 2235.01	39 31 20	121 03 05	Oct. 1967	Special	472	-	-	-	-	-	-
YUBA RIVER, NORTH, ABOVE DOWNIEVILLE	A6 2460.01	39 33 33	120 49 39	Oct. 1967	Special	474	495	-	-	-	-	-
YUBA RIVER, NORTH, ABOVE HAYPRESS CREEK	A6 2600.01	39 34 08	120 36 50	Oct. 1967	Special	475	495	-	-	-	-	-
YUBA RIVER, NORTH, ABOVE LADIES CANYON	A6 2485.01	39 34 05	120 43 16	Oct. 1967	Special	475	-	-	-	-	-	-
YUBA RIVER, NORTH, ABOVE SLATE CREEK	A6 2210.01	39 31 29	121 05 26	Oct. 1957	Special	471	495	-	-	-	-	-
YUBA RIVER, NORTH, AT BASSETS	A6 2750.01	39 37 00	120 35 20	Sept. 1967	Special	476	495	-	-	-	-	-
YUBA RIVER, NORTH, AT BULLARDS BAR POWERHOUSE	A6 2128.00	39 24 30	121 08 36	Oct. 1952	Special	470	-	-	-	-	-	-
YUBA RIVER, NORTH, AT DOWNIEVILLE BRIDGE	A6 2428.80	39 33 35	120 49 42	Oct. 1952	Special	474	-	-	-	-	-	-
YUBA RIVER, NORTH, AT GOODYEARS BAR	A6 2390.00	39 32 28	120 53 06	Oct. 1967	Special	474	495	-	-	-	-	-
YUBA RIVER, NORTH, AT SHENANAGAN FLAT	A6 2248.01	39 30 25	121 01 14	Aug. 1968	Special	472	-	-	-	-	-	-
YUBA RIVER, NORTH, AT SIERRA CITY	A6 2530.01	39 33 52	120 37 48	Oct. 1967	Special	475	495	-	-	-	-	-
YUBA RIVER, NORTH, BELOW BASSETS	A6 2710.01	39 36 48	120 35 45	May 1965	Special	476	-	-	-	-	-	-
YUBA RIVER, NORTH, BELOW DOWNIEVILLE	A6 2428.10	39 33 30	120 49 53	May 1965	Special	474	-	-	-	-	-	-
YUBA RIVER, NORTH, BELOW GOODYEARS BAR	A6 2270.00	39 31 30	120 56 13	Oct. 1957	Special	472	495	-	-	-	-	-
YUBA RIVER, NORTH, BELOW SALMON CREEK	A6 2630.01	39 36 07	120 36 22	Oct. 1967	Special	476	-	-	-	-	-	-
YUBA RIVER, NORTH, BELOW SLATE CREEK	A6 2190.01	39 31 31	121 05 35	July 1958	Special	471	495	-	-	-	-	-
YUBA RIVER, NORTH, NEAR CAMPTONVILLE	A6 2250.01	39 31 00	121 00 40	Oct. 1952	Special	472	495	-	-	-	-	-
YUBA RIVER, NORTH, NEAR YUBA PASS	A6 2800.01	39 37 12	120 31 19	Oct. 1967	Special	476	495	-	-	-	-	-
YUBA RIVER, SOUTH, ABOVE JONES BAR	A6 4160.01	39 17 52	121 05 17	Oct. 1952	Special	481	-	-	-	-	-	-
YUBA RIVER, SOUTH, AT BRIDGEPORT	A6 4010.01	39 17 34	121 11 37	Oct. 1957	Special	480	495	-	-	-	-	-
YUBA RIVER, SOUTH, AT EDWARDS CROSSING	A6 4200.01	39 19 49	120 58 58	Oct. 1967	Special	481	495	-	-	-	-	-
YUBA RIVER, SOUTH, AT JONES BAR	A6 4100.00	39 17 32	121 06 13	April 1958	Special	480	495	-	-	-	-	-
YUBA RIVER, SOUTH, AT LANG'S CROSSING	A6 4620.00	39 19 15	120 39 20	Oct. 1952	Special	483	495	-	-	-	-	-
YUBA RIVER, SOUTH, AT SODA SPRINGS	A6 4780.01	39 19 32	120 23 12	Sept. 1967	Special	483	495	-	-	-	-	-
YUBA RIVER, SOUTH, AT WASHINGTON	A6 4343.01	39 21 39	120 47 37	April 1958	Special	481	495	-	-	-	-	-
YUBA RIVER, SOUTH, BELOW WASHINGTON	A6 4300.01	39 24 11	120 57 53	Oct. 1967	Special	481	495	-	-	-	-	-
YUBA RIVER, SOUTH, NEAR CISCO	A6 4700.00	39 19 12	120 33 38	Oct. 1967	Special	483	495	-	-	-	-	-
YUBA RIVER, SOUTH, NEAR WASHINGTON	A6 4350.00	39 21 38	120 46 14	May 1958	Special	482	495	-	-	-	-	-

\*Formerly reported as SACRAMENTO RIVER AT THREEMILE SLOUGH BRIDGE, B9 1121.00.



TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

Abbreviations

LAB - The laboratory which analyzed the sample:

- 5000 U. S. Geological Survey Laboratory at Sacramento.
- 5006 McClellan Air Force Base Laboratory (used by USBR).
- 5050 Department of Water Resources Laboratory at Bryte.
- 5816 Field analysis by Central District personnel.

SAMPLER - 5001 U. S. Bureau of Reclamation.  
 5002 U. S. Army Corps of Engineers.  
 5050 Department of Water Resources.

G.H. - Instantaneous gage height in feet above an established datum.

Q or DEPTH - Instantaneous discharge measured in cubic feet per second (cfs) or depth at which sample was collected.

DO - Dissolved oxygen content in milligrams per liter.

SAT - Percent saturation.

TEMP - Water temperature in degrees Fahrenheit and Celsius.

PH - Measure of acidity or alkalinity of water.

EC - Specific electrical conductance in micromhos at 25° Celsius.

TDS - Gravimetric determination of total dissolved solids at 180° Celsius.

SUM - Summation of analyzed constituents in prescribed manner.

TH - Total hardness.

NCH - Noncarbonate hardness.

PERCENT REACTANCE VALUE is determined by dividing the sum of the cations or anions in milliequivalents per liter into each constituent in milliequivalents per liter arriving at a percentage. For a partial analysis, an approximate value is determined by multiplying the electrical conductance by 0.01 and using that as the cation or anion sum.

Chemical Symbols

- |                  |               |                 |             |
|------------------|---------------|-----------------|-------------|
| B                | - Boron       | K               | - Potassium |
| CA               | - Calcium     | MG              | - Magnesium |
| CL               | - Chloride    | NA              | - Sodium    |
| CO <sub>3</sub>  | - Carbonate   | NO <sub>3</sub> | - Nitrate   |
| F                | - Fluoride    | SI <sub>2</sub> | - Silica    |
| HCO <sub>3</sub> | - Bicarbonate | SO <sub>4</sub> | - Sulfate   |

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. N	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MILLIGRAMS PER LITER										MILLIGRAMS PER LITER		TDS	TH NCH		
							MINERAL CONSTITUENTS IN				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER							
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	SUM			
AD 0058.00							AUBURN RAVINE AT LINCOLN															
04/09/68	5050		11.1	56	F	7.7	153	12	6.6	6.4	1.0	0.0	66	9.9	6.5	1.5	--	0.1	--	105	57	
0920	5050		10.6	13	C	7.3	158	.60	.54	.28	.03		1.08	.21	.18	.07				76	3	
								41	37	19	2		72	14	12	1						
09/06/68	5050		9.1	69	F	7.4	72	5.0	2.1	2.7	--	0.0	26	--	2.0	--	--	--	--	--	--	24
1130	5050		10.2	21	C	7.2	59	.30	.18	.12			.43		.06							3
								41	25	16			59		8							
AD 2195.01							SACRAMENTO RIVER BELOW KNIGHTS LANDING															
10/11/67	5050	20.75	9.9	60	F	8.0	146	--	--	8.0	--	0.0	70	--	4.2	--	--	0.0	--	--	--	54
1045	5050	10400	100	16	C	7.5				.35			1.15		.12							0
										23			78		8							
11/15/67	5050	19.02	10.3	56	F	7.9	166	--	--	11	--	0.0	80	--	5.2	--	--	0.0	--	--	--	57
1205	5050	5900	99	13	C	7.4				.48			1.31		.15							0
										24			78		9							
12/08/67	5050	22.53	11.1	48	F	7.8	165	--	--	12	--	0.0	64	--	8.6	--	--	0.1	--	--	--	55
1140	5050	13500	96	9	C	7.3				.52			1.05		.24							3
										31			63		14							
01/05/68	5050	19.57	12.4	44	F	8.1	165	--	--	8.2	--	0.0	76	--	4.6	--	--	0.1	--	--	--	65
1145	5050	9640	101	7	C	7.5				.36			1.25		.13							3
										21			75		7							
02/07/68	5050	27.26	11.4	48	F	7.8	169	--	--	8.8	--	0.0	71	--	4.6	--	--	0.0	--	--	--	58
1315	5050	16300	98	9	C	7.5				.38			1.16		.13							0
										22			68		7							
04/04/68	5050	22.05	11.5	58	F	7.9	177	--	--	9.8	--	0.0	83	--	4.8	--	--	0.0	--	--	--	64
1450	5050	11500	103	14	C	7.5				.43			1.36		.14							0
										24			76		7							
05/04/68	5050	18.98	9.3	64	F	7.9	247	15	9.8	19	1.1	0.0	93	24	11	0.7	--	0.1	--	160	78	
1215	5050	4270	98	16	C	7.6		.75	.81	.83	.03		1.53	.50	.31	.01				126	2	
								31	33	34	1		65	21	13							
07/10/68	5050	13.48	8.9	69	F	8.3	178	--	--	11	--	0.0	79	--	6.0	--	--	0.1	--	--	--	61
1350	5050	8550	100	21	C	7.6				.48			1.30		.17							0
										26			73		9							
08/07/68	5050	21.27	8.8	68	F	8.1	182	--	--	14	--	0.0	86	--	5.7	--	--	0.1	--	--	--	70
1320	5050	10400	97	20	C	7.5				.61			1.41		.16							0
										33			77		8							
09/05/68	5050	14.72	8.7	69	F	7.9	248	14	12	21	1.2	0.0	110	20	10	0.2	--	0.1	--	137	83	
1300	5050	9320	97	21	C	7.4		.70	.99	.91	.03		1.80	.42	.28					132	0	
								27	34	35	1		72	17	11							
AD 2420.10							SACRAMENTO RIVER AT COLUSA															
10/10/67	5050	44.79	11.2	58.0F	F	7.8	125	--	--	6.2	--	0.0	62	--	3.0	--	--	0.0	--	--	--	48
1345	5050	9960	100	14.4C	C	7.5				.27			1.02		.08							0
										21			81		6							
11/14/67	5050	42.83	10.5	55	F	8.0	135	--	--	7.0	--	0.0	68	--	3.1	--	--	0.0	--	--	--	50
1445	5050	7520	101	13	C	7.5				.30			1.12		.09							0
										22			82		6							
12/07/67	5050	46.15	11.4	48.5F	F	7.7	135	--	--	7.2	--	0.0	56	--	5.8	--	--	0.1	--	--	--	50
1445	5050	11000	94	9.1C	C	7.3				.31			.92		.16							4
										22			68		11							
01/03/68	5050	44.79	12.3	44.5F	F	8.1	148	--	--	6.6	--	0.0	77	--	4.1	--	--	0.1	--	--	--	58
1500	5050	4240	101	9.9C	C	7.5				.59			1.26		.12							0
										19			85		8							
02/05/68	5050	30.42	11.7	47	F	7.7	144	--	--	5.8	--	0.0	68	--	2.4	--	--	0.0	--	--	--	46
1540	5050	16000	100	4	C	7.4				.25			1.12		.07							0
										17			77		4							
03/05/68	5050	33.75	11.0	53	F	7.4	153	--	--	6.8	--	0.0	73	--	3.2	--	--	0.0	--	--	--	68
1705	5050	22400	93	12	C	7.5				.30			1.20		.09							8
										19			78		5							
04/03/68	5050	45.35	10.5	57	F	7.3	156	--	--	6.8	--	0.0	78	--	2.8	--	--	0.0	--	--	--	60
1615	5050	10500	102	14	C	7.5				.30			1.28		.08							0
										19			82		5							
07/07/68	5050	41.45	11.2	61	F	8.3	138	10	7.0	7.0	1.1	0.0	80	3.4	3.4	0.2	--	0.0	--	91	54	
1520	5050	7970	104	16	C	7.5		.50	.54	.30	.03		1.31	.07	.10					71	0	
								35	41	21	2		89	5	7							
05/05/68	5050	42.53	10.5	51	F	8.0	132	--	--	6.6	--	0.0	67	--	3.1	--	--	0.0	--	--	--	51
0810	5050	6470	96	16	C	7.5				.29			1.10		.09							0
										21			83		6							
07/10/68	5050	44.84	9.5	64	F	8.3	120	--	--	4.4	--	0.0	64	--	2.7	--	--	0.0	--	--	--	49
0820	5050	9300	100	14	C	7.6				.19			1.05		.08							0
										15			87		6							
09/07/68	5050	47.46	9.6	63	F	7.7	120	--	--	6.2	--	0.0	63	--	2.2	--	--	0.1	--	--	--	51
0805	5050	10400	100	17	C	7.5				.27			1.03		.06							0
										22			85		5							



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. °	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	HA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TUS SUM	TH NCH	
AO 2420.00 SACRAMENTO RIVER AT COLUSA CONTINUED																					
09/05/68 0810	5050 5050	43.28 7970	9.3 100	65 F 18 C	8.0 7.8	129	10 .50 37	6.3 .52 38	7.2 .31 23	1.0 .03 2	0.0	68 1.12 85	6.2 .13 10	2.5 .07 5	0.1	--	0.0	--	82 67	51 0	
AO 2430.02 SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN																					
10/11/67 1010	5050 5050	20.75 10150	10.0 101	60.0F 15.5C	8.0 7.5	127	--	--	6.1 .27 21	--	0.0	64 1.05 82	--	3.2 .09 7	--	--	0.0	--	--	49 0	
11/15/67 1145	5050 5050	19.02 5330	10.4 100	56 F 13 C	7.8 7.4	143	--	--	7.8 .34 23	--	0.0	71 1.16 81	--	4.0 .11 7	--	--	0.1	--	--	53 0	
12/08/67 1115	5050 5050	22.53 12440	11.0 95	46 F 9 C	7.8 7.3	136	--	--	7.2 .31 22	--	0.0	58 .95 69	--	5.2 .15 11	--	--	0.1	--	--	52 5	
01/05/68 1125	5050 5050	19.57 9610	12.4 101	44 F 7 C	8.0 7.5	145	--	--	7.0 .30 20	--	0.0	75 1.23 84	--	3.7 .10 6	--	--	0.1	--	--	58 0	
02/07/68 1235	5050 5050	27.26 25560	11.3 97	49 F 9 C	7.6 7.4	144	--	--	6.0 .26 18	--	0.0	67 1.10 76	--	2.3 .06 4	--	--	0.1	--	--	50 0	
03/06/68 1210	5050 5050	32.50 22400	10.5 97	53 F 12 C	7.8 7.4	151	--	--	6.6 .29 19	--	0.0	72 1.18 78	--	2.7 .08 5	--	--	0.0	--	--	62 3	
04/04/68 1415	5050 5050	22.05 11030	10.3 101	58 F 14 C	7.9 7.5	156	--	--	6.6 .29 18	--	0.0	78 1.24 82	--	2.8 .08 5	--	--	0.0	--	--	60 0	
05/08/68 1120	5050 5050	18.48 6430	9.6 101	64 F 18 C	8.3 7.6	186	14 .70 38	7.0 .50 32	12 .52 28	1.2 .03 2	0.0	82 1.34 79	7.6 .16 9	7.1 .20 12	0.2	--	0.0	--	119 89	64 0	
06/06/68 1215	5050 5050	16.47 5960	9.0 97	66 F 19 C	7.7 7.5	174	--	--	11 .48 27	--	0.0	81 1.33 76	--	5.6 .16 9	--	--	0.0	--	--	62 0	
07/10/68 1320	5050 5050	14.48 8250	9.0 101	69 F 21 C	8.3 7.6	138	--	--	6.6 .29 21	--	0.0	70 1.15 83	--	3.5 .10 7	--	--	0.0	--	--	53 0	
08/07/68 1235	5050 5050	21.27 9930	9.1 100	67 F 19 C	8.2 7.8	147	--	--	9.2 .40 27	--	0.0	72 1.14 80	--	3.4 .11 7	--	--	0.0	--	--	60 1	
09/05/68 1210	5050 5050	14.72 7860	4.9 98	68 F 21 C	8.0 7.8	177	12 .60 33	8.1 .57 37	12 .42 29	1.2 .03 2	0.0	86 1.41 83	6.1 .13 8	5.4 .15 9	0.1	--	0.0	--	117 87	64 0	
AO 2500.00 SACRAMENTO RIVER AT BUTTE CITY																					
10/10/67 1255	5050 5050	71.94 9440	10.5 103	58 F 14 C	8.0 7.5	122	--	--	6.2 .27 22	--	0.0	62 1.02 83	--	3.1 .09 7	--	--	0.0	--	--	47 0	
11/14/67 1355	5050 5050	78.95 7760	10.7 103	58.5F 13.5C	8.0 7.1	134	--	--	7.2 .31 23	--	0.0	70 1.15 85	--	3.4 .10 7	--	--	0.0	--	--	53 0	
12/07/67 1400	5050 5050	72.40 11000	11.2 97	48.5F 9.1C	7.6 7.4	149	--	--	7.8 .34 22	--	0.0	53 1.03 69	--	6.0 .17 11	--	--	0.1	--	--	53 2	
01/04/68 1420	5050 5050	71.68 9090	12.6 105	45.5F 7.4C	8.0 7.4	148	--	--	7.0 .30 20	--	0.0	74 1.21 81	--	3.8 .11 7	--	--	0.1	--	--	57 0	
02/06/68 1450	5050 5050	74.68 15900	11.6 100	48 F 9 C	7.7 7.4	147	--	--	6.0 .26 17	--	0.0	70 1.15 78	--	2.6 .07 4	--	--	0.0	--	--	55 0	
03/05/68 1550	5050 5050	77.04 22700	10.8 109	53 F 12 C	7.9 7.4	154	--	--	6.0 .26 16	--	0.0	69 1.13 73	--	2.7 .08 5	--	--	0.0	--	--	64 8	
04/03/68 1505	5050 5050	72.54 10200	10.7 104	57 F 14 C	7.8 7.5	153	--	--	6.8 .30 19	--	0.0	76 1.25 81	--	2.8 .08 5	--	--	0.0	--	--	58 0	
05/07/68 1420	5050 5050	71.69 8440	10.5 107	61 F 16 C	8.3 7.7	135	11 .55 38	6.9 .57 39	6.9 .30 21	1.1 .03 2	0.0	71 1.16 86	2.6 .05 4	5.0 .14 10	0.2	--	0.0	--	106 68	56 0	
06/05/68 1410	5050 5050	71.29 7670	10.0 102	61 F 15 C	8.0 7.5	130	--	--	6.4 .28 21	--	0.0	66 1.08 83	--	2.4 .08 6	--	--	0.0	--	--	49 0	
07/09/68 1345	5050 5050	72.43 10400	9.4 101	65 F 18 C	8.3 7.3	119	--	--	7.8 .17 14	--	0.0	64 1.05 88	--	2.7 .08 6	--	--	0.0	--	--	47 0	

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE	LAB SAMPLER	G.H. W	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER					MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS SUM					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS SUM	TH NCM	
AU 2500.00 SACRAMENTO RIVER AT BUTTE CITY CONTINUED																					
06/68	5050	72.82	10.4	64	F	8.0	117	--	--	6.0	--	0.0	63	--	2.1	--	--	0.0	--	--	48
520	5050	11300	110	18	C	7.8			.26				1.03		.06						0
									.22				.88		.5						
04/68	5050	71.33	10.1	67	F	8.0	128	11	5.5	6.7	1.0	0.0	67	5.9	2.7	0.2	--	0.0	--	91	50
440	5050	8040	111	19	C	8.0		.55	.45	.29	.03		1.10	.12	.08					66	0
								.42	.36	.22	.2		.85	.9	.6						
AU 2630.00 SACRAMENTO RIVER AT HAMILTON CITY																					
10/67	5050	29.11	10.5	55.0F	7.7	120	--	--	6.1	--	0.0	59	--	2.7	--	--	0.0	--	--	--	45
930	5050	9430	99	12.7C	7.4				.27				.97		.08						0
									.22				.80		.6						
11/67	5050	24.52	10.5	54.5F	7.9	127	--	--	6.6	--	0.0	64	--	3.0	--	--	0.0	--	--	--	48
035	5050	7750	99	12.4C	7.4				.29				1.05		.08						0
									.22				.82		.6						
10/7/67	5050	29.43	11.1	48	F	7.7	148	--	--	6.0	--	0.0	66	--	5.0	--	--	0.1	--	--	55
045	5050	10670	96	9	C	7.3			.35				1.08		.14						1
									.23				.72		.9						
10/6/68	5050	24.92	12.3	44.5F	8.1	143	--	--	6.8	--	0.0	73	--	3.9	--	--	0.0	--	--	--	54
115	5050	9090	99	6.9C	7.4				.30				1.20		.11						0
									.20				.83		.7						
10/6/68	5050	30.43	11.8	47	F	7.7	148	--	--	6.0	--	0.0	70	--	2.6	--	--	0.0	--	--	56
045	5050	14200	100	8	C	7.5			.26				1.15		.07						0
									.17				.77		.4						
10/5/68	5050	31.66	11.1	51	F	7.8	143	--	--	5.4	--	0.0	66	--	3.2	--	--	0.0	--	--	55
1115	5050	18500	100	11	C	7.4			.23				1.08		.09						1
									.16				.75		.6						
10/3/68	5050	29.08	10.9	54	F	8.0	148	--	--	6.8	--	0.0	73	--	2.8	--	--	0.0	--	--	56
1030	5050	9370	102	12	C	7.5			.30				1.20		.08						0
									.20				.81		.5						
10/7/68	5050	23.75	10.8	56	F	8.3	127	8.6	6.7	5.8	0.9	0.0	65	2.6	3.8	0.2	--	0.0	--	81	49
1025	5050	8650	104	13	C	7.5		.43	.55	.25	.02		1.07	.05	.11					60	0
								.34	.44	.20	.2		.87	.4	.9						
10/5/68	5050	28.50	9.7	58	F	7.8	125	--	--	6.1	--	0.0	62	--	2.8	--	--	0.0	--	--	47
1025	5050	7960	95	14	C	7.4			.27				1.02		.08						0
									.21				.81		.6						
10/9/68	5050	24.17	10.4	58	F	8.3	116	--	--	4.4	--	0.0	62	--	2.2	--	--	0.0	--	--	47
1025	5050	7410	102	14	C	7.4			.19				1.02		.05						0
									.16				.87		.5						
10/6/68	5050	24.70	10.5	57	F	8.2	118	--	--	5.8	--	0.0	59	--	2.1	--	--	0.0	--	--	47
1015	5050	11700	102	14	C	7.5			.25				.97		.06						0
									.21				.82		.5						
10/4/68	5050	24.59	10.1	61	F	7.7	124	9.8	5.7	6.9	1.4	0.0	60	5.9	3.0	0.2	--	0.1	--	87	48
1035	5050	8130	103	16	C	7.6		.49	.47	.30	.04		.98	.12	.08					62	0
								.38	.36	.23	.3		.83	.10	.7						
AU 2785.00 SACRAMENTO RIVER AT BEND																					
10/9/67	5050	27.27	9.2	52.0F	8.0	114	--	--	5.0	--	0.0	57	--	2.5	0.7	--	0.0	--	--	--	44
0755	5050	9850	84	11.1C	7.1				.22				.93		.07						0
									.19				.81		.6						
10/1/67	5050	27.30	10.9	54	F	7.9	110	--	--	5.3	--	0.0	58	--	2.4	0.5	--	0.0	--	--	45
1515	5050	9720	102	12	C	7.8			.23				.95		.07						0
									.20				.86		.6						
11/1/67	5050	14.95	9.5	53	F	7.7	120	--	--	6.3	--	0.0	64	--	2.0	0.7	--	0.0	--	--	49
1100	5050	3160	83	12	C	7.1			.27				1.05		.06						0
									.22				.87		.5						
11/6/68	5050	22.66	11.4	45	F	7.8	120	--	--	5.8	--	0.0	57	--	2.0	2.1	--	0.1	--	--	46
1250	5050	16000	96	8	C	7.3			.25				.93		.06						0
									.20				.77		.5						
10/6/68	5050	27.57	11.4	46	F	7.7	145	--	--	6.8	--	0.0	70	--	2.7	1.1	--	0.0	--	--	55
1010	5050	10510	96	8	C	7.1			.30				1.15		.08						0
									.20				.79		.5						
10/7/68	5050	22.05	11.0	47	F	7.8	134	--	--	6.0	--	0.0	66	--	2.2	0.1	--	0.0	--	--	61
0990	5050	14310	94	8	C	7.5			.26				1.08		.06						7
									.19				.80		.4						
10/5/68	5050	12.48	11.4	51	F	7.6	137	--	--	6.2	--	0.0	71	--	2.2	0.3	--	0.0	--	--	51
1255	5050	8100	102	11	C	7.4			.27				1.16		.06						0
									.19				.84		.4						
10/1/68	5050	27.31	10.7	52	F	7.9	122	9.5	5.7	6.3	0.6	0.0	62	4.3	2.8	0.2	--	0.1	--	83	47
0825	5050	3442	97	11	C	7.1		.47	.47	.27	.02		1.02	.09	.08					60	0
								.38	.38	.22	.2		.86	.8	.7						
10/13/68	5050	27.44	10.9	53	F	8.0	115	--	--	5.4	--	0.0	60	--	2.1	0.3	--	0.0	--	--	45
0630	5050	10240	100	12	C	7.4			.23				.98		.05						0
									.20				.85		.5						



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAH SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SiO2	TUS SUM	TH NCH	
A0 2785.00 SACRAMENTO RIVER AT BEND CONTINUED																					
07/02/68	5050	21.39	11.3	53	F	9.1	146	--	--	5.9	--	6.0	48	--	2.1	1.0	--	0.0	--	--	45
1310	5050	12540	104	12	C	7.3				.26		.20	.79		.06	.02					0
										17		13	54		4	1					
08/01/68	5050	21.61	11.0	53	F	8.2	127	--	--	5.6	--	0.0	58	--	2.0	0.1	--	0.0	--	--	46
1215	5050	13110	101	12	C	7.3				.24			.95		.06						0
										18			74		4						
09/03/68	5050	20.22	11.1	56	F	7.9	113	9.4	4.7	5.1	1.0	0.0	61	3.4	2.8	0.1	--	0.0	--	89	43
1245	5050	9742	106	13	C	7.5		.47	.39	.22	.03		1.00	.07	.08					56	0
								42	35	20	3		87	6	7						
A0 2925.00 SACRAMENTO SLOUGH NEAR KNIGHTS LANDING																					
10/11/67	5050		6.8	66.0	F	8.2	675	--	--	57	--	0.0	240	--	74	--	--	0.0	--	--	204
1225	5050	628	74	18.8	C	7.6				2.48			3.94		2.09						7
										36			58		30						
11/15/67	5050		8.5	59.5	F	8.3	819	--	--	69	--	0.0	291	--	95	--	--	0.2	--	--	255
1315	5050	140	85	15.2	C	7.4				3.00			4.77		2.68						17
										36			58		32						
01/05/68	5050		12.7	43	F	8.4	692	--	--	57	--	3.0	235	--	81	--	--	0.1	--	--	213
1315	5050	275	102	6	C	8.1				2.48		.10	3.85		2.28						16
										35		1	55		32						
04/04/68	5050		8.8	64	F	7.9	305	--	--	17	--	0.0	162	--	9.8	--	--	0.0	--	--	119
1540	5050	736	93	18	C	7.8				.74			2.66		.28						0
										24			87		9						
05/08/68	5050		7.5	69	F	8.1	540	30	23	43	1.3	0.0	194	24	51	2.0	--	0.1	--	280	171
1310	5050	738	84	21	C	7.6		1.50	1.89	1.87	.03		3.18	.50	1.44	.03				269	12
								28	36	35	1		62	10	28	1					
06/06/68	5050		7.4	72	F	8.3	600	--	--	46	--	0.0	235	--	54	--	--	0.1	--	--	192
1300	5050	640	86	22	C	7.9				2.00			3.85		1.52						0
										33			64		25						
07/10/68	5050		7.1	77	F	8.3	625	--	--	41	--	13	230	--	53	--	--	0.1	--	--	204
1215	5050	446	87	25	C	7.9				1.78		.43	3.77		1.49						0
										28		6	60		23						
08/07/68	5050		7.1	68	F	8.4	541	--	--	41	--	4.0	240	--	42	--	--	0.1	--	--	191
1430	5050	775	79	20	C	7.8				1.78		.13	3.94		1.18						0
										32		2	72		21						
09/05/68	5050		6.9	75	F	7.8	632	36	28	53	1.6	0.0	267	18	58	1.0	--	0.1	--	298	204
1400	5050	975	83	24	C	7.8		1.80	2.30	2.31	.04		4.38	.37	1.64	.02				327	0
								28	36	36	1		68	6	26						
A0 2947.10 COLUSA BASIN DRAIN NEAR KNIGHTS LANDING																					
10/11/67	5050		8.1	66	F	7.8	723	37	26	72	1.8	0.0	236	--	45	2.9	--	0.4	--	390	200
0900	5050	260	88	19	C	8.0		1.85	2.14	3.13	.05		3.87		1.27	.05					7
								25	29	43			53		17						
11/15/67	5050		8.6	58	F	7.7	551	25	21	58	2.6	0.0	201	--	28	1.9	--	0.2	--	305	150
0945	5050	570	85	14	C	7.8		1.25	1.73	2.52	.07		3.30		.79	.03					0
								22	31	45	1		59		14						
12/08/67	5050		11.0	46.5	F	8.3	761	30	25	92	3.4	0.0	210	--	49	6.0	--	0.2	--	420	177
1015	5050	560	93	8.0	C	8.0		1.50	2.06	4.00	.09		3.44		1.38	.10					5
								19	27	52	1		45		18						
01/05/68	5050		14.1	39.5	F	8.1	1360	50	52	172	3.7	0.0	336	--	102	1.5	--	0.4	--	812	341
1030	5050	68	108	4.1	C	8.4		2.50	4.27	7.48	.09		5.51		2.88	.02					66
								18	31	55			40		21						
02/07/68	5050		8.7	53	F	7.9	669	30	20	75	4.0	0.0	143	--	45	7.4	--	0.3	--	405	158
1030	5050	740	80	12	C	7.7		1.50	1.64	3.26	.10		2.35		1.27	.12					41
								22	24	48	1		35		18						
03/06/68	5050		9.9	61	F	8.0	1160	52	38	133	1.5	0.0	319	--	82	3.4	--	0.4	--	639	287
1040	5050	309	101	16	C	8.2		2.59	3.12	5.79	.04		5.23		2.31	.05					26
								22	26	49			45		19						
04/04/68	5050		9.9	61	F	8.1	668	28	22	76	1.6	0.0	184	--	44	2.1	--	0.3	--	377	162
1205	5050	470	101	16	C	8.2		1.40	1.81	3.31	.04		3.02		1.24	.03					11
								20	27	49			45		18						
05/08/68	5050		7.5	65	F	8.7	553	25	19	58	2.4	8.0	150	86	28	2.2	--	0.2	--	319	140
1010	5050	1340	80	18	C	7.8		1.25	1.56	2.52	.06	.27	2.46	1.79	.79	.04					4
								23	29	47	1	5	46	33	15	1					
06/06/68	5050		6.9	73	F	8.3	862	32	26	106	2.9	0.0	248	137	55	2.9	--	0.5	--	461	189
1030	5050	110	81	23	C	8.2		1.60	2.14	4.61	.07		4.07	2.85	1.55	.05					0
								19	25	55	1		48	33	18	1					
07/10/68	5050		7.3	79	F	8.3	771	33	24	82	2.0	0.0	257	107	45	4.6	--	0.4	--	437	199
1030	5050	310	91	26	C	8.2		1.65	2.30	3.57	.05		4.21	2.23	1.27	.07					0
								22	30	47	1		54	29	16	1					
08/07/68	5050		6.9	77	F	8.1	609	27	23	66	1.0	0.0	235	69	28	1.1	--	0.2	--	315	161
1105	5050	900	84	25	C	7.8		1.35	1.84	2.87	.03		3.85	1.44	.79	.02					0
								22	31	47			63	24	13						

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAH SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	CL	NO <sub>3</sub>	F	H	SiO <sub>2</sub>	TDS SUM	TH NCH	
A0 2947.10							COLUSA BASIN DRAIN NEAR KNIGHTS LANDING				CONTINUED										
9/05/68 1035	5050 5050	1100	6.8 8.0	73 23	F C	8.2 8.0	616	29 1.45 22	25 2.06 31	70 3.05 46	1.9 .05 1	0.0	239 3.92 61	71 1.48 23	35 .99 15	1.3 .07	--	0.3	--	346 351	175 0
A0 2976.00							COLUSA BASIN DRAIN NEAR COLUSA														
0/11/67 0715	5050 5050	38.45 209	8.2 87	64 18	F C	8.1 8.0	654	36 1.80 28	24 1.97 30	62 2.70 41	1.6 .04 1	0.0	226 3.71 57	81 1.68 26	38 1.07 16	2.2 .04 1	--	0.3	--	-- 356	189 4
1/15/67 0815	5050 5050	39.88 470	8.8 87	58.5F 14.7C		7.7 7.6	531	25 1.25 23	20 1.64 30	55 2.39 45	3.1 .08 1	0.0	201 3.30 62	-- .71 13	25 .07	1.4 .07	--	0.2	--	--	145 0
12/08/67 0855	5050 5050	39.05 372	11.1 94	47 8	F C	8.2 8.0	811	33 1.65 20	27 2.22 27	98 4.26 52	3.6 .09 1	0.0	251 4.12 50	-- 1.34 17	49 .06	3.5 .06	--	0.2	--	--	195 0
1/05/68 0900	5050 5050	37.79 119	13.0 98	38.5F 3.6C		8.5 8.2	1150	51 2.54 22	48 3.95 34	153 6.66 57	2.7 .07	12 .40 3	311 5.10 44	-- 2.43 21	86 .07	1.8 .07	--	0.3	--	--	324 49
12/07/68 0830	5050 5050	42.67 1010	9.3 86	53 12	F C	8.3 7.9	848	40 2.00 23	21 1.73 20	99 4.31 50	3.6 .09 1	0.0	198 3.25 38	-- 1.58 18	56 .10 1	6.1 .10	--	0.4	--	508	188 26
03/06/68 0850	5050 5050	38.96 285	9.2 91	59 15	F C	8.0 8.1	1170	50 2.50 21	41 3.37 24	138 6.00 51	1.3 .03	0.0	332 5.44 46	-- 2.48 21	88 .04	2.7 .04	--	0.4	--	628	295 23
04/04/68 1020	5050 5050	38.74 241	9.5 96	60 16	F C	8.0 8.0	649	30 1.50 23	21 1.73 26	70 3.05 46	1.4 .04	0.0	174 2.85 43	-- 1.27 19	45 .07	1.8 .07	--	0.3	--	383	162 20
05/08/68 0810	5050 5050	44.17 1340	7.5 84	69 21	F C	8.6 7.8	469	22 1.10 24	17 1.40 31	47 2.04 44	2.1 .05 1	8.0 .27 6	139 2.28 51	65 1.35 30	20 .56 12	1.7 .07 1	--	0.2	--	279 251	124 0
06/06/68 0850	5050 5050	40.18 472	7.7 85	68 20	F C	8.5 7.9	725	21 1.05 14	29 2.34 32	82 3.57 49	1.5 .04	6.0 .20 2	200 3.28 45	-- 1.21 16	43 .05	3.3 .05	--	0.3	--	407	171 0
07/10/68 0900	5050 5050	40.57 476	7.1 86	76 24	F C	7.8 7.8	623	28 1.40 22	24 1.97 31	71 3.09 49	1.1 .03	0.0	231 3.79 60	-- .47 13	31 .03	1.6 .03	--	0.3	--	320	170 0
08/07/68 0905	5050 5050	41.79	7.1	74 23	F C	8.0 7.7	546	25 1.25 23	21 1.73 33	53 2.31 43	1.2 .03 1	0.0	220 3.61 66	58 1.21 22	23 .65 12	0.6 .01	--	0.2	--	278 290	150 0
09/05/68 0845	5050 5050	42.72	7.5	71 86	F C	8.3 7.8	528	28 1.40 26	21 1.73 32	52 2.26 42	1.5 .04 1	0.0	218 3.58 67	50 1.04 20	24 .68 13	0.6 .01	--	0.3	--	284 284	156 0
A0 3200.00							THOMES CREEK AT RICHFIELD														
04/30/68 1005	5050 5050	50	9.7 106	67 14	F C	8.1 7.3	271	37 1.85 65	9.1 .75 26	5.8 .25 9	0.4 .01	0.0	131 2.15 78	24 .50 18	3.7 .10 4	0.3	--	0.0	--	143 144	130 23
A0 3320.00							ELDER CREEK AT GERBER														
01/16/68 1005	5050 5050	5.93 475	12.0 98	44 7	F C	8.2 8.0	190	-- .20 10	-- .20 10	4.7 .20 10	--	0.0	93 1.53 80	-- .15 7	5.4 .15 7	--	--	0.0	--	--	95 9
03/06/68 1130	5050 5050	5.35 127	11.1 116	63 17	F C	8.5 8.3	275	-- .34 12	-- .34 12	7.8 .34 12	--	0.0	146 2.23 81	-- .26 9	9.1 .26 9	--	--	0.0	--	--	125 14
04/30/68 0930	5050 5050	4.87 30	10.8 119	68 20	F C	8.4 8.2	372	29 1.45 38	21 1.73 45	14 .61 16	0.6 .02 1	2.0 .07 2	173 2.84 78	9.2 .19 5	19 .34 15	0.0	--	0.0	--	186 180	158 13
A0 3460.00							RED BANK CREEK NEAR RED BLUFF														
01/16/68 1205	5050 5050	4.42 170	11.8 98	45 7	F C	8.0 8.1	378	-- .48 12	-- .48 12	11 .48 12	--	0.0	164 2.69 71	-- .20 5	7.0 .20 5	--	--	0.1	--	--	170 36
03/06/68 1405	5050 5050	3.91 28	10.8 109	67 16	F C	8.5 8.4	490	-- .61 12	-- .61 12	14 .61 12	--	7.0 .23 4	227 3.72 75	-- .16 3	5.6 .16 3	--	--	0.0	--	--	228 31
04/30/68 1215	5050 5050	7.71 1.9	10.4 130	75 24	F C	8.5 8.2	520	49 2.45 44	29 2.38 42	18 .78 14	0.4 .07 1	7.0 .23 4	245 4.02 73	42 .97 16	12 .34 6	2.0 .07 1	--	0.1	--	274 280	240 28



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. U	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	S	SiO2	TUS SUM	TH NCM	
A0 3520.00 COTTONWOOD CREEK NEAR COTTONWOOD																					
10/09/67 0835	5050 5050	198	9.0 10.5	73.0F 22.7C	7.9 7.3	229	--	--	8.6 .37 16	--	0.0	114 1.87 81	--	8.1 .23 10	--	--	0.0	--	--	96 3	
11/02/67 0905	5050 5050	78	9.9 10.0	60.0F 15.5C	8.2 7.4	248	--	--	9.1 .40 16	--	0.0	129 2.12 85	--	9.0 .25 10	--	--	0.0	--	--	108 2	
12/11/67 1015	5050 5050	250	12.0 9.5	42.0F 5.5C	8.1 7.6	374	--	--	17 .74 19	--	0.0	135 2.21 59	--	24 .68 18	--	--	0.1	--	--	153 43	
01/16/68 1420	5050 5050	3050	11.8 9.6	44 F 7 C	8.1 7.5	185	--	--	6.2 .27 14	--	0.0	87 1.43 77	--	3.7 .19 5	--	--	0.0	--	--	81 10	
02/06/68 1100	5050 5050	1470	11.4 10.1	50 F 10 C	8.0 7.7	241	--	--	8.3 .36 14	--	0.0	113 1.85 76	--	4.7 .13 5	--	--	0.0	--	--	102 10	
03/07/68 0945	5050 5050	1120	10.8 9.6	50 F 10 C	8.2 7.5	264	--	--	7.8 .34 12	--	0.0	129 2.12 80	--	5.6 .16 6	--	--	0.0	--	--	125 19	
04/05/68 1015	5050 5050	605	10.2 9.8	56 F 13 C	8.1 7.8	250	--	--	7.6 .33 13	--	0.0	124 2.03 81	--	5.2 .15 6	--	--	0.0	--	--	107 6	
05/01/68 0950	5050 5050	332	9.8 10.5	65 F 18 C	8.2 7.4	267	26 1.30 46	13 1.07 38	9.9 .43 15	0.5 .01	0.0	137 2.25 82	13 .27 10	7.7 .22 8	0.5 .01	--	0.0	--	150 138	118 6	
06/13/68 0600	5050 5050	222	8.0 8.6	65 F 18 C	8.4 8.3	258	--	--	9.2 .40 15	--	2.0 .07 2	128 2.10 81	--	7.8 .22 8	--	--	0.0	--	--	111 3	
07/02/68 1430	5050 5050	88	10.5 12.7	76 F 24 C	8.6 7.5	229	--	--	6.8 .30 13	--	3.0 .10 4	113 1.85 80	--	7.2 .20 8	--	--	0.1	--	--	99 2	
08/01/68 1320	5050 5050	49	13.5 17.2	81 F 27 C	8.7 7.3	206	--	--	8.5 .37 17	--	9.0 .30 14	97 1.59 77	--	3.7 .10 4	--	--	0.0	--	--	91 0	
09/06/68 1310	5050 5050	63	11.9 14.4	76 F 24 C	8.2 7.3	212	18 .90 40	11 .92 41	8.8 .38 17	1.6 .04 2	0.0	113 1.85 87	6.1 .13 6	4.9 .14 7	0.0	--	0.0	--	127 106	91 0	
A0 3540.00 COTTONWOOD CREEK BELOW N. FK. COTTONWOOD CREEK																					
11/02/67 0945	5050 5050	34	9.9 10.2	62.0F 16.6C	8.2 7.7	282	--	--	10 .44 15	--	0.0	144 2.36 83	--	13 .37 13	--	--	0.0	--	--	126 8	
01/17/68 0910	5050 5050	792	12.5 9.3	38 F 3 C	8.0 8.0	219	--	--	6.0 .26 11	--	0.0	108 1.77 80	--	2.9 .08 3	--	--	0.0	--	--	101 13	
03/06/68 1240	5050 5050	596	11.1 9.7	49 F 9 C	8.3 7.8	233	--	--	5.5 .24 10	--	0.0	121 1.98 84	--	3.2 .09 3	--	--	0.0	--	--	107 8	
05/01/68 1110	5050 5050	163	9.9 10.8	67 F 19 C	8.4 8.0	246	22 1.10 43	14 1.15 45	7.3 .32 12	0.4 .01	2.0 .07 3	129 2.12 84	8.6 .18 7	5.0 .14 6	0.8 .01	--	0.0	--	135 123	114 5	
07/05/68 1120	5050 5050	22	9.2 12.0	83 F 28 C	8.7 8.0	318	--	--	9.2 .40 12	--	6.0 .20 6	158 2.59 81	--	11 .31 9	--	--	0.0	--	--	148 9	
09/06/68 1150	5050 5050	1000	11.4 13.9	77 F 25 C	8.1 8.2	384	32 1.60 42	20 1.64 43	12 .52 14	1.6 .04 1	0.0	184 3.02 79	13 .27 7	19 .54 14	0.1	--	0.0	--	205 188	161 10	
A0 3595.00 COTTONWOOD CREEK, S. FK., ABOVE COTTONWOOD CREEK																					
11/02/67 0830	5050 5050	162 5.6	10.2 9.8	56.0F 13.3C	8.2 8.0	394	--	--	17 .74 18	--	0.0	122 2.00 50	--	42 1.18 29	--	--	0.1	--	--	145 45	
01/16/68 1330	5050 5050	4.55 1290	12.0 9.8	44 F 7 C	8.1 7.8	158	--	--	4.8 .21 13	--	0.0	75 1.23 77	--	3.6 .10 6	--	--	0.0	--	--	69 8	
03/07/68 1130	5050 5050	2.93 500	11.5 9.9	48 F 9 C	8.2 7.9	260	--	--	8.4 .37 14	--	0.0	121 1.98 76	--	5.9 .17 6	--	--	0.0	--	--	119 20	
05/01/68 0910	5050 5050	2.93 105	9.9 10.2	62 F 17 C	8.3 8.0	267	28 1.40 51	10 .92 30	12 .52 19	0.5 .01	0.0	128 2.10 78	15 .31 12	10 .28 10	0.0	--	0.1	--	144 138	113 8	
07/02/68 1400	5050 5050	2.23 10.0	9.2 11.7	81 F 27 C	8.6 8.4	292	--	--	13 .57 19	--	3.0 .10 3	117 1.92 65	--	18 .51 17	--	--	0.1	--	--	114 13	

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH	
A0 3595.00							COTTONWOOD CREEK, S. FK., ABOVE COTTONWOOD CREEK CONTINUED														
1/06/68	5050	1.78	10.8	84	F	8.1	339	33	9.6	18	1.4	0.0	106	15	38	0.0	--	0.0	--	191	122
1345	5050	1.5	142	29	C	8.4		1.65	.79	.78	.04		1.74	.31	1.07					167	35
								51	24	24	1		56	10	34						
A0 5103.00							FEATHER RIVER AT NICOLAUS														
1/02/67	5050	1700	9.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/02/67	1100	22.60	9.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050	2400				8.2	120														
1/06/67	1240	22.60	10.5	60.0F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050	2400	106	15.5C	7.7	120															
1/07/67	1100	5050	2/20	10.2	56 F	8.0	124	--	--	5.3	--	0.0	66	--	2.6	--	--	0.0	--	--	48
	5050	2/20	100	14 C	7.3	125			.23				1.08		.07						0
									18				87		5						
2/04/67	1000	22.10	11.8	51.0F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050	1850	106	10.5C	7.4	135															
1/03/68	1330	21.70	13.1	44.0F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050		107	6.6C	7.3	141															
2/07/68	1320	24.04	12.9	53.0F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050		119	11.6C	7.3	115															
03/06/68	1030	24.10	11.2	54.0F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050		105	12.2C	7.3	102															
03/12/68	1515	24.58	10.5	50.0F	7.3	88	8.2	4.0	2.6	--	0.0	43	--	1.0	--	--	--	--	--	--	37
	5050	5000	93	9.9C	7.3	95	.41	.33	.11	--		.71	--	.03	--						2
							.46	.37	.12			.80		.3							
04/03/68	1045	24.10	11.3	60.0F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050		114	15.5C	7.5	100															
04/09/68	1730	5050	4040	10.5	64.0F	7.9	94	9.4	3.7	2.8	--	0.0	47	--	1.4	--	--	--	--	--	39
	5050		111	17.7C	7.9	85	.47	.31	.12			.77		.04							1
							.50	.32	.12			.81		.4							
05/01/68	0915	5050	23.51	10.3	67.0F	7.9	96	8.1	4.4	3.4	0.8	0.0	47	2.8	1.6	0.3	0.1	0.0	12	47	38
	5050	3520	113	19.4C	7.3	88	.40	.36	.15	.02		.77	.05	.05						57	0
							.43	.39	.16			.88	.7	.6							
05/16/68	1610	5050	22.58	9.6	71.0F	7.5	99	9.5	3.8	3.8	--	0.0	47	--	2.1	--	--	--	--	--	39
	5050	2400	109	21.0C	7.5	105	.47	.31	.17			.77		.06							1
							.47	.31	.17			.77		.6							
06/05/68	0930	5050	22.76		65.0F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050	2450		14.3C	7.5	100															
07/03/68	0830	5050	9.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/17/68	1440	5050	12.40	7.8	57.0F	8.3	126	15	5.0	5.5	--	0.0	72	--	2.5	--	--	--	--	--	58
	5050	310	106	39.5C	7.9	130	.75	.41	.24			1.18		.07							0
							.59	.32	.19			.93		.5							
08/07/68	1210	5050	2.5	4.0	85.0F	8.2	145	14	5.4	5.0	1.3	0.0	75	5.4	2.8	0.2	--	0.0	--	97	59
	5050	2.5	106	29.4C	8.0	160	.70	.44	.22	.03		1.23	.11	.08						71	0
							.49	.34	.15	.2		.87	.8	.6							
09/04/68	1050	5050	8.8	75.0F	7.9	125	12	4.9	4.1	1.3	0.0	66	5.3	2.6	0.1	--	0.0	--	62	50	
	5050	8.9	105	23.8C	7.8	120	.60	.40	.18	.03		1.08	.11	.07					63	0	
							.50	.33	.15	.2		.86	.9	.6							
A0 5165.00							FEATHER RIVER NEAR GRIDLEY														
10/02/67	5050	1410	9.2	66	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050		100	19	C	7.6	105														
11/06/67	1030	5050	25.64	10.6	57	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050	2229	103	14	C	7.5	110														
12/04/67	1130	5050	7.1	11.3	51	F	7.4	108	11	4.0	4.2	1.4	0.0	60	6.4	0.0	0.2	--	0.0	--	78
	5050		101	11	C	7.3	117	.55	.33	.18	.04		.98	.13						57	44
								.50	.30	.16	.4		.88	.12							0
01/03/68	0930	5050	24.51	11.0	42	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050	39.1	101	6	C	7.3	123														



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH	
AO 5165.00      FEATHER RIVER NEAR GRIDLEY      CONTINUED																					
03/06/68 1200	5050	24.54 864	11.7 106	51.5F 19.8C	-- 8.1	-- 121	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/03/68 1200	5050	24.52 838	11.1 115	62 F 17 C	-- 7.3	-- 110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/01/68 1130	5050 5050	25.41 2050	10.6 113	65 F 18 C	8.1 7.3	99 100	8.1 .40 40	5.1 .42 42	4.0 .17 17	0.8 .02 2	0.0	52 .85 89	2.1 .04 4	1.6 .05 5	0.5 .01 1	0.1	0.0	14	--	41 62	0
06/05/68 1105	5050 5050	25.24 1930	10.6 17	63 F 17 C	8.1 7.3	99 80	8.1 .43 47	5.1 .31 34	4.0 .16 17	0.8 .02 2	0.0	52 .82 90	2.1 .05 5	1.6 .04 4	0.5	--	0.1	--	52 45	37 0	
07/03/68 1200	5050 5050	24.06 457	9.6 115	75 F 24 C	7.8 7.3	98 120	8.8 .44 50	3.9 .32 36	2.7 .12 14	--	0.0	52 .85 96	0.5 .01 1	1.1 .03 3	--	0.0	0.1	--	54 43	38 0	
08/07/68 1130	5050 5050	24.06 349	9.6 99	75 F 24 C	7.8 7.8	98 95	8.8 .50 50	3.9 .34 34	2.7 .14 14	-- .03 3	0.0	52 .90 94	0.5 .04 4	1.1 .01 1	--	0.0	--	54 49	38 0		
09/04/68 0925	5050 5050	24.06 831	9.6 82	75 F 13 C	7.8 7.0	98 86	8.8 .42 48	3.9 .28 32	2.7 .15 17	-- .03 3	0.0	52 .82 90	0.5 .05 5	1.1 .04 4	0.1	--	0.0	--	48 45	35 0	
AO 5191.00      FEATHER RIVER AT OROVILLE																					
12/04/67 1330	5050 5050	1.10 845	11.9 105	50 F 10 C	7.3 7.3	101 112	10 .50 47	4.4 .36 34	4.0 .17 16	1.4 .04 4	0.0	56 .92 91	4.1 .09 9	0.0	0.3	--	0.1	--	74 52	43 0	
01/03/68 1100	5050 5050	1.54 361	13.6 106	41 F 5 C	-- 7.1	-- 112	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AO 5660.01      JACK SLOUGH AT MARYSVILLE																					
04/09/68 1105	5050 5050	8.2 87	64 18	64 F 18 C	7.8 7.5	143 150	14 .70 48	6.3 .52 52	4.4 .19 19	--	0.0	75 1.23 86	--	1.3 .14 14	--	--	--	--	--	61 0	
09/06/68 1450	5050 5050	7.2 86	75 24	75 F 24 C	8.2 7.2	150 145	15 .75 50	6.4 .53 53	5.9 .26 26	--	0.0	80 1.31 87	--	2.6 .07 7	--	--	--	--	--	64 0	
AO 5708.1      HONCUT CREEK NEAR LIVE OAK																					
03/12/68 1130	5050 5050	9.1 83	52 11	52 F 11 C	8.1 7.7	194 205	14 .70 36	9.9 .82 82	9.2 .40 40	--	0.0	91 1.49 76	--	6.0 .17 17	--	--	--	--	--	75 2	
AO 6550.00      BEAR RIVER NEAR WHEATLAND																					
11/07/67 0900	5050 5050	6.4 18	10.4 105	60 F 16 C	7.8 7.3	116 90	--	--	4.3 .19 16	--	0.0	51 .84 72	--	5.4 .15 15	--	--	0.0	--	--	47 5	
03/12/68 1415	5050 5050	3.13 834	11.1 101	52 F 11 C	7.3 7.3	80 85	8.2 .41 51	2.8 .23 23	2.5 .11 11	--	0.0	34 .56 70	--	2.8 .08 8	--	--	--	--	--	32 4	
04/09/68 1010	5050 5050	2.64 576	10.3 104	60.5F 15.8C	7.5 7.3	80 80	7.5 .37 46	3.4 .29 29	2.6 .11 11	--	0.0	34 .56 70	--	2.7 .08 8	--	--	--	--	--	33 5	
07/17/68 1330	5050 5050	6.5 13	8.8 122	89 F 32 C	8.0 8.2	184 175	18 .90 48	8.7 .72 72	6.0 .26 26	--	0.0	79 1.30 70	--	6.6 .19 19	--	--	--	--	--	51 16	
08/08/68 0845	5050 5050	6.57 7.4	8.3 99	75 F 24 C	8.2 7.7	190 182	20 1.00 52	8.2 .64 64	6.2 .27 27	--	0.0	85 1.39 73	--	6.8 .19 19	--	--	--	--	--	84 15	
09/06/68 1320	5050 5050	6.61 8.2	9.5 126	85 F 29 C	7.9 8.1	192 200	19 .95 49	10 .99 99	6.6 .29 29	--	0.0	87 1.43 74	--	6.6 .19 19	--	--	--	--	--	92 21	

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. U	DO SAT	TEMP	PH LAB FLU	EC LAB FLO	MILLIGRAMS PER LITER										MILLIGRAMS PER LITER				
							MINERAL CONSTITUENTS IN				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				TDS			TM			
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	SUM	TM NCH	
A0 7140.00							AMERICAN RIVER AT SACRAMENTO														
08/07/68 1500	5050 5050	17.71	9.4 109	72 22	F C	7.5 7.4	65 63	6.9 .34 53	1.7 .14 22	3.2 .14 22	0.6 .02 3	0.0	28 .46 82	0.8 .02 4	2.4 .07 13	0.6 .01 2	--	0.0	--	48 30	24 1
A1 1020.00							PIT RIVER NEAR MONTGOMERY CREEK														
10/10/67 1440	5050 5050	5050	9.8 95	57 14	F C	7.9 7.7	141	--	--	9.7 .42 29	--	0.0	77 1.26 89	--	3.4 .10 7	--	--	0.0	--	--	48 0
11/07/67 1030	5050 5050	3370	11.3 101	51 11	F C	8.0 7.5	139	--	--	9.5 .41 29	--	0.0	79 1.30 93	--	6.7 .19 13	--	--	0.0	--	--	49 0
12/13/67 1100	5050 5050	3600	12.4 97	41 5	F C	8.0 7.3	148	--	--	9.9 .43 29	--	0.0	80 1.31 88	--	3.0 .08 5	--	--	0.1	--	--	51 0
01/05/68 1330	5050 5050	4240	12.4 97	41 5	F C	8.1 7.3	143	--	--	8.6 .37 25	--	0.0	80 1.31 91	--	0.3 .01	--	--	0.0	--	--	50 0
02/09/68 1215	5050 5050	5301	12.4 97	41 5	F C	7.7 7.7	140	--	--	7.2 .31 22	--	0.0	76 1.25 89	--	2.3 .06 4	--	--	0.1	--	--	50 0
03/07/68 1105	5050 5050	7970	10.8 93	48 9	F C	8.0 7.1	116	--	--	6.0 .26 22	--	0.0	62 1.02 87	--	2.0 .06 5	--	--	0.0	--	--	42 0
04/02/68 1150	5050 5050	7850	11.0 100	52 11	F C	7.9 7.5	130	--	--	6.6 .29 22	--	0.0	72 1.18 90	--	1.5 .04 3	--	--	0.0	--	--	46 0
05/07/68 0905	5050 5050	5950	10.7 103	56 13	F C	8.0 8.0	130	10 .50 37	5.1 .42 31	8.7 .38 28	1.8 .05 4	0.0	73 1.20 94	0.0	2.7 .08 6	0.3	--	0.1	--	88 64	46 0
06/10/68 1630	5050 5050	7780	10.4 106	61 16	F C	8.3 8.1	138	--	--	9.2 .40 28	--	0.0	77 1.26 91	--	2.5 .07 5	--	--	0.1	--	--	51 0
07/05/68 0815	5050 5050	492	8.6 92	65 18	F C	8.3 7.5	154	--	--	8.7 .38 24	--	0.0	83 1.36 88	--	3.0 .08 5	--	--	0.0	--	--	54 0
08/07/68 1025	5050 5050	1120	9.4 102	66 19	F C	8.3 8.1	142	--	--	10 .44 30	--	0.0	80 1.31 92	--	3.0 .08 5	--	--	0.0	--	--	49 0
09/06/68 0830	5050 5050	5280	10.3 105	61 16	F C	8.0 8.1	145	10 .50 34	5.6 .46 32	10 .44 30	2.2 .06 4	0.0	80 1.31 87	4.6 .10 7	3.2 .09 6	0.0	--	0.1	--	108 75	48 0
A1 1680.00							PIT RIVER NEAR CANBY														
10/10/67 0930	5050 5050	2.66 82	9.3 87	54 12	F C	8.0 8.2	306	--	--	28 1.22 39	--	0.0	168 2.76 90	--	6.1 .17 5	--	--	0.1	--	--	93 0
11/07/67 0810	5050 5050	2.51 52	10.1 86	47 8	F C	8.3 8.2	366	--	--	38 1.65 45	--	0.0	185 3.03 82	--	10 .28 7	--	--	0.2	--	--	97 0
12/13/67 1500	5050 5050	2.62 80	12.2 83	32 32	F C	8.0 7.6	379	--	--	38 1.65 43	--	0.0	183 3.00 79	--	13 .37 9	--	--	0.3	--	--	105 0
01/05/68 1020	5050 5050	2.54 59	11.1 75	31 1	F C	7.9 7.6	314	--	--	31 1.35 42	--	0.0	166 2.72 86	--	5.8 .16 5	--	--	0.1	--	--	95 0
02/09/68 0940	5050 5050	3.46 400	9.8 67	32 32	F C	7.5 7.4	253	--	--	27 1.17 46	--	0.0	114 1.87 73	--	5.8 .16 6	--	--	0.1	--	--	68 0
03/07/68 1355	5050 5050	3.03 206	7.8 65	46 8	F C	8.2 7.8	243	--	--	17 .74 30	--	0.0	116 1.90 78	--	5.7 .16 6	--	--	0.1	--	--	73 0
04/02/68 1455	5050 5050	2.71 98	10.6 97	52 11	F C	8.1 8.2	266	--	--	25 1.09 40	--	0.0	131 2.15 80	--	9.6 .27 10	--	--	0.1	--	--	79 0
05/07/68 1130	5050 5050	2.73 104	9.1 88	57 14	F C	8.0 8.1	319	21 1.05 32	9.8 .81 24	30 1.31 39	6.4 .16 5	0.0	157 2.57 80	17 .35 11	10 .28 9	1.8 .03 1	--	0.2	--	204 173	93 0
06/10/68 1330	5050 5050	3.07 220	8.3 91	67 19	F C	8.4 8.1	320	--	--	29 1.26 39	--	2.0 .07 2	174 2.85 89	--	5.0 .14 4	--	--	0.4	--	--	103 0
07/04/68 1000	5050 5050	2.49 48	7.4 87	73 23	F C	8.7 8.4	340	--	--	31 1.35 39	--	8.0 .27 7	173 2.84 83	--	7.8 .22 6	--	--	0.1	--	--	103 0



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. 4	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS SUM	TH NCH	
		A1 1680.00		PIT RIVER NEAR CANBY				CONTINUED													
08/07/68 1235	5050 5050	2.74 117	7.7 89	72 22	F C	7.9 7.9	289	--	--	29	--	0.0	159	--	6.5	--	--	0.1	--	--	92 0
09/05/68 1200	5050 5050	2.42 29	8.0 87	66 19	F C	8.2 8.2	368	23 1.15 31	10 .82 22	36 1.57 42	7.9 .20 5	0.0	189 1.10 86	13 .27 7	8.6 .24 7	0.6 .01	--	0.2	--	235 192	101 0
		A1 4400.00		PIT RIVER, SOUTH FORK, NEAR LIKELY																	
10/10/67 1110	5050 5050	1.99 24	9.9 89	51 11	F C	7.7 8.1	108	--	--	5.6 .24 22	--	0.0	61 1.00 92	--	1.1 .03 2	--	--	0.0	--	--	40 0
11/06/67 1510	5050 5050	2.03 27	9.9 85	48 9	F C	8.0 7.6	107	--	--	5.7 .25 23	--	0.0	64 1.05 98	--	1.1 .03 2	--	--	0.0	--	--	40 0
12/13/67 1630	5050 5050		12.2 83	31.5F .2C		7.5 7.4	115	--	--	6.2 .27 23	--	0.0	64 1.05 91	--	1.4 .04 3	--	--	0.0	--	--	40 0
01/04/68 1530	5050 5050		12.7 87	32 C	F C	8.0 7.3	118	--	--	5.4 .23 19	--	0.0	69 1.13 95	--	0.0	--	--	0.0	--	--	46 0
02/08/68 1420	5050 5050		11.2 84	39 3	F C	7.5 7.8	143	--	--	4.7 .20 13	--	0.0	78 1.28 89	--	0.0	--	--	0.0	--	--	56 0
03/07/68 1510	5050 5050		10.1 85	46 8	F C	8.1 8.2	104	--	--	5.4 .23 22	--	0.0	61 1.00 96	--	1.0 .03 2	--	--	0.0	--	--	40 0
04/03/68 0815	5050 5050		11.7 86	37 3	F C	7.5 7.7	107	--	--	4.6 .20 18	--	0.0	60 .98 91	--	0.0	--	--	0.0	--	--	40 0
05/07/68 1250	5050 5050	2.84 126	9.8 93	55 13	F C	-- 8.4	112	9.9 .49 41	4.2 .35 29	6.6 .29 24	2.6 .07 5	0.0	64 1.05 95	0.0	1.6 .05 5	0.7 .01 1	--	0.0	--	75 57	42 0
06/10/68 1130	5050 5050	2.60 70	9.1 89	58 14	F C	8.1 8.3	119	--	--	4.1 .27 22	--	0.0	71 1.16 97	--	1.3 .04 3	--	--	0.2	--	--	47 0
07/04/68 1300	5050 5050	2.54 83	9.7 101	67 19	F C	8.3 8.4	149	--	--	7.8 .34 22	--	0.0	83 1.36 91	--	2.7 .08 5	--	--	0.0	--	--	60 0
08/08/68 0730	5050 5050	2.80 121	4.2 89	06 19	F C	8.0 8.1	175	--	--	11 .48 27	--	0.0	92 1.51 86	--	2.3 .06 3	--	--	0.0	--	--	58 0
09/05/68 1330	5050 5050	2.10 36	4.7 98	70 21	F C	8.2 8.4	160	13 .65 39	5.7 .47 28	10 .44 26	4.3 .11 7	0.0	89 1.44 94	2.1 .04 3	2.3 .06 4	0.3	--	0.0	--	139 81	56 0
		A2 1010.00		SACRAMENTO RIVER AT KESWICK																	
10/09/67 1005	5050 5050		10.1 91	51.5F 10.8C		7.8 7.3	102	8.8 .44 44	4.4 .36 36	4.9 .21 21	--	0.0	54 .89 88	3.4 .07 7	1.7 .05 5	--	--	0.0	--	--	40 50
11/02/67 1050	5050 5050		9.8 80	52 11	F C	7.9 7.1	106	--	--	4.9 .21 19	--	0.0	57 .93 87	4.3 .09 8	1.7 .05 4	--	--	0.0	--	--	41 0
12/11/67 0930	5050 5050		10.5 93	50 10	F C	8.0 7.3	138	--	--	7.6 .33 23	--	0.0	66 1.08 78	2.5 .05 3	3.7 .10 7	--	--	0.0	--	--	48 0
01/17/68 1020	5050 5050		11.1 94	47 8	F C	7.9 7.3	122	--	--	4.8 .25 20	--	0.0	66 1.08 88	4.5 .10 3	1.6 .05 4	--	--	0.1	--	--	48 0
02/05/68 1535	5050 5050		11.6 97	40 8	F C	7.5 7.3	125	--	--	5.4 .28 22	--	0.0	66 1.08 86	3.8 .08 5	1.4 .04 3	--	--	0.0	--	--	46 0
03/07/68 1400	5050 5050		11.1 92	45 7	F C	7.9 7.1	123	--	--	5.5 .24 19	--	0.0	61 1.00 81	5.8 .12 9	1.6 .05 4	--	--	0.0	--	--	47 0
04/05/68 1205	5050 5050		12.1 103	47 8	F C	7.7 7.1	118	--	--	5.4 .23 19	--	0.0	62 1.02 86	4.6 .10 8	1.6 .05 4	--	--	0.0	--	--	44 0
05/01/68 1245	5050 5050		11.0 95	48 7	F C	7.6 7.1	107	8.5 .42 38	5.4 .44 40	5.4 .23 21	0.5 .01 1	0.0	56 .92 89	2.6 .05 5	2.1 .06 6	0.1	--	0.0	--	67 52	43 0
06/12/68 1500	5050 5050		10.7 94	49 7	F C	8.0 7.2	110	--	--	5.0 .22 20	--	0.0	57 .93 84	--	1.8 .05 4	--	--	0.0	--	--	42 0

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. G	UD SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS TH						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	5102	SUM	TH NCM	
A2 1010.00 SACRAMENTO RIVER AT KESWICK CONTINUED																					
07/05/68	5050		10.3	50	F	8.2	110	--	--	3.8	--	0.0	58	0.0	1.7	--	--	0.0	--	--	43
1230	5050	13700	91	10	C	7.3				.17			.95		.05						0
										15			86		4						
08/01/68	5050		10.0	68	F	8.0	109	--	--	5.5	--	0.0	57	--	1.9	--	--	0.0	--	--	45
1405	5050	14200	111	20	C	7.3				.24			.93		.05						0
										22			85		4						
09/06/68	5050		10.4	53	F	7.7	113	9.2	4.9	5.8	1.1	0.0	60	3.3	2.0	0.0	--	0.0	--	85	43
1000	5050	9790	96	12	C	7.3		.06	.40	.25	.03		.98	.07	.06					56	0
								40	35	22	3		88	6	5						
A2 1300.00 SACRAMENTO RIVER AT DELTA																					
10/09/67	5050	3.88	10.1	53.0	F	7.8	150	--	--	10	--	0.0	76	--	6.5	--	--	0.1	--	--	51
0800	5050	254	93	11.6	C	7.8				.44			1.25		.18						0
										29			83		12						
11/08/67	5050	3.87	11.1	51	F	7.9	148	--	--	10	--	0.0	75	--	6.7	--	--	0.1	--	--	54
1035	5050	261	100	11	C	7.7				.44			1.23		.19						0
										29			83		12						
12/12/67	5050	4.13	13.2	37	F	8.0	146	--	--	9.8	--	0.0	70	--	7.6	--	--	0.1	--	--	48
1000	5050	355	97	3	C	7.5				.43			1.15		.21						0
										29			78		14						
01/03/68	5050	4.20	13.3	36	F	8.1	137	--	--	6.8	--	0.0	71	--	1.2	--	--	0.1	--	--	54
1025	5050	379	96	2	C	7.6				.30			1.16		.03						0
										21			84		2						
02/13/68	5050	5.86	12.6	41	F	7.7	101	--	--	2.8	--	0.0	54	--	1.3	--	--	0.1	--	--	42
0845	5050	1300	98	5	C	7.4				.12			.89		.04						0
										11			88		3						
03/06/68	5050	6.26	12.1	42	F	7.9	84	--	--	2.5	--	0.0	47	--	2.2	--	--	0.0	--	--	36
0930	5050	1640	96	6	C	7.2				.11			.77		.06						0
										13			91		7						
04/01/68	5050	6.26	11.4	47	F	7.8	85	--	--	2.2	--	0.0	50	--	1.0	--	--	0.0	--	--	38
1110	5050	1720	97	8	C	7.3				.10			.82		.03						0
										11			96		3						
05/06/68	5050	5.33	11.6	46	F	7.8	88	4.1	6.8	3.4	0.3	0.0	49	0.0	2.3	0.0	--	0.1	--	52	34
0940	5050	986	97	8	C	8.1		.20	.56	.15	.01		.80		.06				41		0
								22	61	16	1		93		7						
06/11/68	5050	4.39	10.0	64	F	8.3	120	--	--	6.1	--	0.0	66	--	4.1	--	--	0.2	--	--	55
1230	5050	456	106	18	C	8.1				.27			1.08		.12						1
										22			90		10						
07/03/68	5050	3.84	9.6	65	F	8.3	145	--	--	6.8	--	0.0	76	--	5.8	--	--	0.0	--	--	53
0900	5050	254	103	18	C	7.9				.30			1.25		.16						0
										20			86		11						
08/06/68	5050	3.61	10.0	67	F	8.0	158	--	--	12	--	0.0	80	--	7.6	--	--	0.1	--	--	57
1035	5050	192	110	19	C	8.0				.52			1.31		.21						0
										32			82		13						
09/04/68	5050	3.58	9.8	63	F	8.1	164	9.0	8.1	9.8	1.3	0.0	82	1.5	1.4	0.0	--	0.2	--	117	56
0900	5050	145	102	17	C	8.2		.45	.67	.43	.03		1.34	.03	.05				72		0
								28	42	27	2		94	2	4						
A2 2150.00 MCLOUD RIVER ABOVE SHASTA LAKE																					
10/09/67	5050		10.5	50	F	7.6	112	--	--	5.7	--	0.0	60	--	1.7	--	--	0.0	--	--	43
0700	5050	313	93	10	C	7.2				.25			.98		.05						0
										22			87		4						
11/08/67	5050		11.1	48	F	8.1	109	--	--	5.0	--	0.0	62	--	1.5	--	--	0.0	--	--	43
0930	5050	247	96	9	C	7.3				.22			1.02		.04						0
										20			93		3						
12/12/67	5050		12.5	58.5	F	7.9	115	--	--	5.2	--	0.0	59	--	1.6	--	--	0.0	--	--	44
0900	5050	338	124	14.7	C	7.2				.23			.97		.05						0
										20			84		4						
01/03/68	5050		12.7	36	F	8.0	113	--	--	4.0	--	0.0	36	--	0.0	--	--	0.0	--	--	46
0910	5050	243	92	2	C	7.3				.17			.59								17
										15			52								
02/13/68	5050		12.2	42	F	7.7	101	--	--	2.5	--	0.0	54	--	0.0	--	--	0.0	--	--	43
0745	5050	784	97	6	C	7.2				.11			.89								0
										10			88								
03/06/68	5050		11.0	45	F	8.0	107	--	--	3.1	--	0.0	58	--	0.5	--	--	0.0	--	--	48
0815	5050	771	91	7	C	7.1				.13			.45		.01						1
										12			88								
04/01/68	5050		9.5	49	F	7.9	108	--	--	2.6	--	0.0	59	--	0.0	--	--	0.0	--	--	45
0955	5050	733	83	9	C	7.3				.11			.47								0
										10			49								
05/06/68	5050		11.2	50	F	8.0	118	16	2.9	4.2	0.5	0.0	65	1.4	1.7	0.0	--	0.1	--	76	52
0810	5050	348	90	10	C	7.7		.80	.24	.18	.01		1.07	.04	.05				59		0
								65	20	15	1		42	3	4						



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. O	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TN NCH	
A2 2150.00 MCLLOUD RIVER ABOVE SHASTA LAKE CONTINUED																					
06/10/68 1430	5050 5050	338	10.1 103	61 16	F C	8.2 8.4	110	--	--	4.4 .19 17	--	0.0	62 1.02 92	--	1.3 .04 3	--	--	0.0	--	--	48 0
07/03/68 0730	5050 5050	289	9.0 91	60 16	F C	8.3 7.7	113	--	--	3.4 .15 13	--	0.0	64 1.05 92	--	1.7 .05 4	--	--	0.0	--	--	47 0
08/06/68 0850	5050 5050	265	9.5 96	60 16	F C	8.2 7.9	111	--	--	5.4 .23 20	--	0.0	62 1.02 91	--	1.5 .04 3	--	--	0.0	--	--	48 0
09/04/68 0730	5050 5050	273	10.1 98	57 14	F C	8.0 7.5	112	12 .60 51	3.6 .30 26	5.6 .24 21	1.1 .03 3	0.0	62 1.02 93	2.0 .04 4	1.4 .04 4	0.0	--	0.0	--	88 56	45 0
A3 1110.00 STONY CREEK BELOW BLACK BUTTE DAM																					
10/10/67 0835	5050 5050	3.08 104	9.2 98	65.0F 18.3C		8.3 8.1	368	--	--	14 .61 16	--	0.0	179 2.94 79	--	13 .37 10	1.1 .02	--	0.2	--	--	153 6
11/14/67 0945	5050 5050	2.65 53	9.3 92	58.5F 14.7C		8.5 7.9	418	--	--	16 .70 16	--	3.0 .10 2	202 3.31 79	--	15 .42 10	1.3 .02	--	0.3	--	--	177 7
12/07/67 1000	5050 5050	2.44 37	11.6 99	47.5F 8.6C		8.3 8.2	422	--	--	17 .74 17	--	0.0	206 3.38 80	--	16 .45 10	--	--	0.2	--	--	168 0
01/04/68 1030	5050 5050	2.45 35	13.2 105	42 6	F C	8.3 8.2	439	--	--	16 .70 15	--	0.0	207 3.39 77	--	18 .51 11	--	--	0.2	--	--	190 21
02/06/68 0940	5050 5050	2.53 46	12.7 109	48 9	F C	8.1 8.1	351	--	--	12 .52 14	--	0.0	141 2.31 65	--	19 .54 15	3.8 .06 1	--	0.2	--	--	136 21
03/05/68 1005	5050 5050	4.03 314	10.5 97	53 12	F C	8.0 7.8	274	--	--	11 .48 17	--	0.0	118 1.94 70	--	14 .39 14	0.1	--	0.1	--	--	110 13
04/03/68 0930	5050 5050	2.59 50	12.9 121	54 12	F C	8.4 8.1	275	--	--	12 .52 18	--	2.0 .07 2	120 1.97 71	--	12 .34 12	0.5 .01	--	0.1	--	--	112 10
05/07/68 0910	5050 5050	519	11.1 112	60 16	F C	8.6 8.0	291	29 1.45 48	12 .99 33	13 .57 19	1.0 .03 1	5.0 .17 6	122 2.00 69	15 .31 11	14 .39 14	0.5 .01	--	0.1	--	162 149	120 12
06/05/68 0910	5050 5050	3.34 153	10.0 106	64 18	F C	8.4 8.0	304	--	--	13 .57 18	--	2.0 .07 2	138 2.26 74	--	13 .37 12	0.4 .01	--	0.1	--	--	126 10
07/09/68 0900	5050 5050	3.41 166	8.7 103	74 23	F C	8.6 8.0	323	--	--	15 .65 20	--	4.0 .13 4	147 2.41 74	--	14 .39 12	0.1	--	0.1	--	--	138 11
08/06/68 0910	5050 5050	4.13 348	8.3 101	77 25	F C	8.4 7.7	344	--	--	15 .65 18	--	2.0 .07 2	168 2.76 80	--	14 .39 11	0.1	--	0.2	--	--	154 13
09/04/68 0855	5050 5050	3.33 151	8.9 103	72 22	F C	7.8 8.2	360	32 1.60 42	19 1.56 41	14 .61 16	1.2 .03 1	0.0	178 2.92 79	15 .31 8	16 .45 12	0.2	--	0.1	--	162 185	158 12
A3 1250.00 STONY CREEK NEAR FRUTO																					
10/10/67 0750	5050 5050	290	9.0 92	61.0F 16.0C		8.5 8.1	382	--	--	14 .61 15	--	5.0 .17 4	185 3.03 79	--	14 .39 10	1.3 .02	--	0.3	--	--	163 3
11/14/67 0855	5050 5050	99	8.6 83	57 14	F C	8.2 8.0	622	--	--	34 1.48 23	--	0.0	179 2.94 47	--	64 1.80 28	1.3 .02	--	0.3	--	--	224 77
12/07/67 0915	5050 5050	290	11.5 94	44 7	F C	8.2 8.1	543	--	--	31 1.35 24	--	0.0	137 2.25 41	--	55 1.55 28	5.4 .09 1	--	0.1	--	--	181 69
01/04/68 0950	5050 5050	37	13.6 96	34 1	F C	7.9 7.9	473	--	--	20 .87 18	--	0.0	139 2.28 48	--	32 .90 19	--	--	0.1	--	--	182 68
02/06/68 0830	5050 5050	703	11.8 95	43 6	F C	8.0 7.9	257	--	--	9.0 .39 15	--	0.0	102 1.67 64	--	10 .28 10	1.1 .02	--	0.0	--	--	103 20
03/05/68 0855	5050 5050	348	10.5 92	49 9	F C	8.2 8.0	256	--	--	8.6 .37 14	--	0.0	104 1.71 66	--	9.7 .27 10	0.0	--	0.0	--	--	106 21
04/03/68 0830	5050 5050	526	11.0 99	51 11	F C	8.3 8.1	259	--	--	10 .44 16	--	0.0	116 1.90 73	--	10 .28 10	0.0	--	0.1	--	--	104 9

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLE#	G.H. J	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER							
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS SUM	TN NCH		
A3 1250.00 STONY CREEK NEAR FRUTO CONTINUED																						
05/07/68	5050		10.1	55	F	8.5	271	28	11	12	0.7	4.0	116	16	12	0.1	--	0.1	--	150	114	
0810	5050	425	95	13	C	8.0		1.40	.90	.52	.02	.13	1.90	.33	.34					141	13	
								.49	.32	.18	1	5	.70	.12	.13							
06/05/68	5050		9.6	60	F	8.4	300	--	--	13	--	2.0	140	--	13	0.0	--	0.2	--	--	124	
0750	5050	224	95	16	C	8.0				.57	--	.07	2.30	--	.37						6	
										.19		2	.76		.12							
07/09/68	5050		8.3	66	F	8.3	314	--	--	15	--	0.0	161	--	14	0.1	--	0.2	--	--	134	
0755	5050	42	90	19	C	8.0				.65			2.64	--	.39						2	
										.20			.84		.12							
08/06/68	5050		7.4	74	F	8.3	340	--	--	16	--	0.0	178	--	14	0.1	--	0.3	--	--	152	
0800	5050	374	88	23	C	8.3				.70			2.92	--	.39						6	
										.20			.85		.11							
09/04/68	5050		7.7	69	F	7.7	356	28	19	15	1.0	0.0	181	13	15	0.2	--	0.2	--	166	147	
0755	5050	456	86	21	C	8.3		1.40	1.56	.65	.03		2.97	.27	.42					180	0	
								.38	.43	.18	1		.81	.07	.11							
A3 120.00 THOMES CREEK NEAR PASKENTA																						
10/09/67	5050		7.74	7.2	74.0	F	8.2	442	--	--	11	--	0.0	151	--	17	0.4	--	0.1	--	--	193
1310	5050		14	109	23.3	C	8.4			.48			2.48	--	.48						69	
										.10			.56		.10							
11/01/67	5050		8.53	10.0	65	F	8.3	483	--	--	13	--	0.0	173	--	18	0.3	--	0.1	--	--	214
1200	5050		10.0	107	18	C	8.3			.57			2.84	--	.51						72	
										.11			.58		.10							
12/11/67	5050		8.20	11.0	48	F	8.0	320	--	--	9.9	--	0.0	125	--	9.0	0.6	--	0.1	--	--	113
1415	5050		130	95	9	C	8.4			.43			2.05	--	.25						11	
										.13			.64		.07							
01/16/68	5050		12.3	42	F	8.2	132	--	--	2.5	--	0.0	64	--	0.4	0.6	--	0.0	--	--	61	
1055	5050	1130	97	6	C	8.0				.11			1.05	--	.01	.01					9	
										.08			.79									
02/05/68	5050		5.16	12.0	43	F	7.9	181	--	--	3.4	--	0.0	86	--	1.2	0.3	--	0.0	--	--	82
1220	5050	540	97	6	C	7.8				.15			1.41	--	.03						12	
										.08			.77		.01							
03/06/68	5050		5.18	11.0	50	F	8.2	163	--	--	3.1	--	0.0	78	--	0.5	0.1	--	0.0	--	--	78
1310	5050	430	97	10	C	7.6				.13			1.28	--	.01						14	
										.07			.78									
04/08/68	5050		5.13	10.1	60	F	8.2	175	--	--	3.1	--	0.0	84	--	1.6	0.0	--	0.0	--	--	78
1420	5050	325	102	16	C	8.1				.13			1.38	--	.05						9	
										.07			.78		.02							
04/30/68	5050		4.90	9.7	61	F	8.3	176	24	4.9	4.2	0.4	0.0	84	14	3.0	0.2	--	0.0	--	102	80
1100	5050	227	99	16	C	7.8		1.20	.40	.18	.01		1.38	.29	.08						92	11
								.67	.22	.10	1		.79	.17	.05							
06/03/68	5050		4.11	8.9	69	F	8.3	217	--	--	5.0	--	0.0	98	--	3.6	0.0	--	0.0	--	--	98
1200	5050	40	100	21	C	8.1				.22			1.61	--	.10						18	
										.10			.74		.04							
07/02/68	5050		4.67	9.2	73	F	8.5	335	--	--	9.0	--	6.0	125	--	9.2	0.0	--	0.1	--	--	153
1100	5050		19	108	23	C	8.4			.39			.20	2.05	--	.26					41	
										.11			.05	.61		.07						
08/01/68	5050		3.48	7.3	76	F	8.3	399	--	--	12	--	0.0	125	--	16	0.2	--	0.1	--	--	170
1020	5050		10.0	88	24	C	8.0			.52			2.05	--	.45						68	
										.13			.51		.11							
09/03/68	5050		3.53	9.9	76	F	8.1	408	44	14	13	1.4	0.0	121	68	21	0.1	--	0.0	--	223	167
1030	5050		9.0	120	24	C	8.2		2.20	1.15	.57	.04		1.98	1.41	.59					221	68
									.56	.29	.14	1		.50	.35	.15						
A3 3110.00 ELDER CREEK NEAR PASKENTA																						
04/30/68	5050		1.65	9.4	69	F	8.4	318	24	18	14	0.5	2.0	150	8.6	19	0.0	--	0.0	--	158	136
1150	5050		42	105	21	C	8.2		1.20	1.48	.61	.01	.07	2.46	.19	.54					160	10
									.36	.45	.18		.02	.76	.06	.17						
09/03/68	5050		1.04	9.7	79	F	8.4	828	36	29	78	1.5	1.0	173	9.2	165	0.0	--	0.0	--	464	211
1130	5050		2.4	121	26	C	8.4		1.80	2.38	3.39	.04	.03	2.84	.19	4.65					404	68
									.24	.31	.45	1		.37	.02	.60						
A3 6130.00 CLEAR CREEK NEAR IGO																						
11/02/67	5050		2.71	11.3	50.0	F	7.5	92	--	--	2.8	--	0.0	51	--	2.1	--	--	0.0	--	--	43
1015	5050		98	100	9.9	C	7.6			.12			.84	--	.06						1	
										.13			.91		.06							
01/17/68	5050		2.67	12.8	39	F	7.9	85	--	--	3.1	--	0.0	44	--	3.1	--	--	0.0	--	--	39
0940	5050		87	97	4	C	7.3			.13			.72	--	.09						3	
										.15			.84		.10							
03/07/68	5050		2.70	12.1	47	F	7.9	90	--	--	3.6	--	0.0	45	--	3.2	--	--	0.0	--	--	35
1310	5050		93	103	8	C	7.5			.16			.74	--	.09						0	
										.17			.82		.10							



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. Q	OO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TUS SUM	TH NCH	
		AJ 6130.00		CLEAR CREEK NEAR IGO				CONTINUED													
05/01/68 1210	5050 5050	2.47 59	11.3 106	54 12	F C	7.9 7.3	96	6.5 .32 34	5.6 .46 48	3.9 .17 18	0.0	0.0	.49 .80 90	0.6 .01 1	2.9 .08 9	0.1	--	0.1	--	62 44	39 0
07/05/68 1150	5050 5050	2.42 54	10.2 107	63 17	F C	8.2 7.8	95	--	--	2.5 .11 11	--	0.0	52 .45 89	--	2.7 .08 8	--	--	0.0	--	--	41 0
09/06/68 1130	5050 5050	2.42 53	11.0 109	59 15	F C	7.5 7.7	95	5.3 .26 27	6.9 .56 58	3.1 .13 14	0.5 .01 1	0.0	.50 .82 84	4.8 .10 10	2.3 .06 6	0.0	--	0.0	--	62 47	41 0
		A4 1110.00		BUTTE CREEK NEAR CHICO																	
10/10/67 1150	5050 5050	1.76 138	11.3 106	54 12	F C	7.9 7.9	110	--	--	3.9 .17 15	--	0.0	.64 1.05 95	--	1.4 .04 3	--	--	0.0	--	--	47 0
11/14/67 1250	5050 5050	1.86 179	11.0 103	54.5F 12.4C	F C	8.1 7.9	121	--	--	4.8 .21 17	--	0.0	.70 1.15 95	--	1.6 .05 4	--	--	0.0	--	--	53 0
12/07/67 1300	5050 5050	2.31 376	12.5 103	44.5F 6.9C	F C	7.6 7.4	107	--	--	3.6 .16 14	--	0.0	.56 .92 85	--	1.4 .04 3	--	--	0.0	--	--	42 0
01/04/68 1325	5050 5050	1.79 155	14.4 106	37 3	F C	8.1 8.0	110	--	--	3.0 .13 11	--	0.0	.65 1.07 97	--	0.7 .02 1	--	--	0.0	--	--	51 0
02/06/68 1330	5050 5050	2.31 376	12.4 104	46 8	F C	7.7 7.4	101	--	--	2.5 .11 10	--	0.0	.56 .92 91	--	0.0	--	--	0.0	--	--	39 0
03/05/68 1345	5050 5050	2.64 575	11.7 105	51 11	F C	7.8 7.4	70	--	--	1.9 .08 11	--	0.0	.39 .64 91	--	0.0	--	--	0.0	--	--	32 0
04/03/68 1320	5050 5050	2.57 534	12.1 107	50 10	F C	7.8 7.6	71	--	--	2.1 .09 12	--	0.0	.42 .69 97	--	0.0	--	--	0.0	--	--	30 0
05/07/68 1250	5050 5050	2.25 360	11.1 105	55 13	F C	8.1 7.6	74	7.3 .36 50	2.9 .24 33	2.6 .11 15	0.5 .01 1	0.0	.43 .71 96	0.0	1.1 .03 4	0.0	--	0.0	--	58 35	30 0
06/05/68 1230	5050 5050	2.02 253	10.2 101	59 15	F C	8.0 7.8	86	--	--	2.9 .13 15	--	0.0	.50 .82 95	--	0.9 .03 3	--	--	0.0	--	--	36 0
07/09/68 1220	5050 5050	1.73 142	9.3 108	72 22	F C	8.3 8.1	109	--	--	3.1 .13 11	--	0.0	.64 1.05 96	--	1.0 .03 2	--	--	0.0	--	--	45 0
08/06/68 1325	5050 5050	1.69 125	9.6 108	69 21	F C	8.1 8.2	110	--	--	4.1 .18 16	--	0.0	.63 1.03 93	--	1.3 .04 3	--	--	0.0	--	--	49 0
09/04/68 1305	5050 5050	1.71 145	9.8 108	68 20	F C	8.0 8.2	111	.11 .55 47	5.0 .41 35	4.1 .18 16	0.8 .02 2	0.0	.64 1.05 93	2.5 .05 4	1.2 .03 3	0.0	--	0.0	--	78 56	48 0
		A4 2110.00		BIG CHICO CREEK NEAR CHICO																	
10/10/67 1100	5050 5050	2.12 28	10.5 104	59 15	F C	8.2 8.1	205	--	--	.14 .61 29	--	0.0	1.02 1.67 81	--	.10 .28 13	--	--	0.1	--	--	73 0
11/14/67 1145	5050 5050	2.29 44	11.0 104	55 13	F C	8.3 8.0	230	--	--	.15 .65 28	--	0.0	1.05 1.72 74	--	.13 .37 16	--	--	0.1	--	--	79 0
12/07/67 1215	5050 5050	3.15 192	12.6 103	44.5F 6.9C	F C	8.0 7.5	147	--	--	8.3 .36 24	--	0.0	.69 1.13 76	--	6.0 .17 11	--	--	0.1	--	--	54 0
01/04/68 1245	5050 5050	2.32 47	14.5 106	36.5F 2.4C	F C	8.3 7.8	184	--	--	.11 .48 26	--	0.0	.91 1.49 80	--	8.8 .25 13	--	--	0.1	--	--	67 0
02/06/68 1230	5050 5050	3.51 293	12.8 106	45 7	F C	7.7 7.5	94	--	--	3.8 .17 18	--	0.0	.49 .80 85	--	1.0 .03 3	--	--	0.0	--	--	36 0
03/05/68 1235	5050 5050	2.86 129	11.4 104	52 11	F C	8.0 7.7	119	--	--	4.8 .21 17	--	0.0	.62 1.02 85	--	9.7 .27 22	--	--	0.0	--	--	50 0
04/03/68 1225	5050 5050	2.79 116	11.8 106	51 11	F C	8.0 7.8	123	--	--	5.2 .23 18	--	0.0	.66 1.08 87	--	2.8 .08 6	--	--	0.0	--	--	47 0
05/07/68 1145	5050 5050	2.25 40	10.4 103	59 15	F C	8.4 8.0	182	.15 .75 39	7.4 .61 32	.12 .52 27	1.0 .03 2	2.0 .07 4	.88 1.44 80	3.4 .07 4	7.8 .22 12	0.0	--	0.1	--	128 92	68 0

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAW SAMPLER	G.M. J	DO SAT	TEMP	PH LAB FLO	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS SUM	TN NCH	
A4 2110.00                      BIG CHICO CREEK NEAR CHICO                      CONTINUED																					
06/05/68 1135	5050 5050	2.15 31	9.4 101	65 18	F C	8.1 8.1	199	--	--	13	--	0.0	100	--	8.3	--	--	0.1	--	--	72 0
										.57 28			1.64 82		.23 11						
07/09/68 1125	5050 5050	2.04 24	8.5 103	76 24	F C	8.5 8.3	213	--	--	13	--	3.0	101	--	10	--	--	0.1	--	--	75 0
										.57 26		.10 4	1.66 77		.28 13						
08/06/68 1215	5050 5050	2.00 22	8.8 102	72 22	F C	8.3 8.2	218	--	--	16	--	0.0	110	--	11	--	--	0.2	--	--	80 0
										.70 32			1.80 82		.31 14						
09/04/68 1210	5050 5050	2.02 22	9.0 103	71 22	F C	8.2 8.2	221	16	8.8	16	1.2	0.0	110	9.7	11	0.2	--	0.2	--	153 117	76 0
								.80 36	.72 32	.70 31	.03 1		1.80 78	.20 9	.31 13						
A4 4110.00                      MILL CREEK NEAR LOS MOLINOS																					
10/09/67 1226	5050 5050	130	10.8 125	72 22	F C	7.7 7.8	200	--	--	17	--	0.0	52	--	20	--	--	0.4	--	--	52 10
										.74 37			.85 42		.56 28						
11/01/67 1315	5050 5050	117	11.2 114	61 16	F C	7.7 8.1	194	--	--	16	--	0.0	58	--	18	--	--	0.6	--	--	52 5
										.70 36			.95 48		.51 26						
12/11/67 1510	5050 5050	146	12.2 102	46 8	F C	7.8 7.6	210	--	--	18	--	0.0	57	--	20	--	--	0.5	--	--	65 19
										.78 37			.93 44		.56 26						
01/16/68 0910	5050 5050	946	12.1 100	45 7	F C	7.7 7.3	94	--	--	5.2	--	0.0	32	--	5.4	--	--	0.2	--	--	30 4
										.23 24			.52 55		.15 15						
02/05/68 1045	5050 5050	415	11.3 92	44 7	F C	7.8 7.4	118	--	--	7.0	--	0.0	46	--	6.5	--	--	0.2	--	--	37 0
										.30 25			.75 63		.18 15						
03/06/68 1055	5050 5050	366	11.8 102	48 9	F C	7.9 7.7	119	--	--	8.1	--	0.0	38	--	8.6	--	--	0.2	--	--	40 9
										.35 29			.62 52		.24 20						
04/08/68 1320	5150 5050	295	10.0 97	57 14	F C	7.8 8.0	132	--	--	9.2	--	0.0	44	--	9.0	--	--	0.3	--	--	37 1
										.40 30			.72 54		.25 18						
04/30/68 0830	5050 5050	365	10.1 99	58 14	F C	7.6 7.4	126	8.7	3.5	9.6	1.3	0.0	36	15	8.2	0.1	--	0.3	--	101 64	36 7
								.43 37	.29 25	.42 36	.03 3		.59 52	.31 27	.23 20						
06/03/68 0940	5050 5050	240	9.4 99	64 18	F C	7.7 7.5	131	--	--	9.0	--	0.0	33	--	7.6	--	--	0.2	--	--	36 9
										.39 29			.54 41		.21 16						
07/02/68 0910	5050 5050	161	9.8 111	70 21	F C	8.2 7.6	177	--	--	12	--	0.0	50	--	14	--	--	0.5	--	--	50 9
										.52 29			.82 46		.39 22						
08/01/68 0905	5050 5050	110	8.9 102	71 22	F C	7.9 7.1	233	--	--	17	--	0.0	92	--	17	--	--	0.4	--	--	84 9
										.74 31			1.51 64		.48 20						
09/03/68 0845	5050 5050	192	9.9 113	71 22	F C	7.7 7.4	225	14	7.5	16	2.7	0.0	72	18	19	0.0	--	0.4	--	154 113	66 7
								.70 33	.62 30	.70 33	.07 3		1.18 56	.37 18	.54 26						
A4 5110.50                      ANTELOPE CREEK NEAR RED BLUFF																					
11/01/67 1345	5050 5050	44	10.9 110	60 16	F C	7.8 8.2	156	--	--	10	--	0.0	82	--	7.2	--	--	0.1	--	--	57 0
										.44 28			1.34 85		.20 12						
01/16/68 0840	5050 5050	512	11.2 93	45 7	F C	7.8 7.4	75	--	--	3.2	--	0.0	40	--	1.5	--	--	0.1	--	--	30 0
										.14 18			.66 88		.04 5						
03/06/68 0910	5050 5050	140	11.1 101	52 11	F C	7.8 7.6	94	--	--	4.6	--	0.0	52	--	3.2	--	--	0.0	--	--	38 0
										.20 21			.85 90		.09 9						
04/30/68 0800	5050 5050	92	9.8 101	62 17	F C	8.0 8.1	105	7.8	5.5	6.6	0.7	0.0	56	0.5	4.0	0.0	--	0.1	--	88 53	42 0
								.39 34	.45 39	.29 25	.02 2		.92 88	.01 1	.11 11						
07/02/68 0830	5050 5050	36	10.0 117	73 23	F C	8.4 8.3	156	--	--	8.7	--	2.0	76	--	9.1	--	--	0.1	--	--	56 0
										.38 24		.07 4	1.25 80		.26 16						
09/03/68 0810	5050 5050	35	9.1 105	72 22	F C	7.7 8.0	166	11	7.9	12	1.6	0.0	87	0.0	8.5	0.0	--	0.0	--	123 84	60 0
								.55 31	.65 37	.52 30	.04 2		1.43 86		.24 14						



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAH SAMPLE#	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS SUM	TH NCH	
A4 7110.00 BATTLE CREEK NEAR COTTONWOOD																					
11/02/67	5050	3.76	11.6	55	F	8.0	147	--	--	8.3	--	0.0	84	--	2.1	--	--	0.0	--	--	55
1315	5050	258	100	13	C	7.6				.36			1.38		.06						0
										24			93		4						
01/16/68	5050	3.55	11.5	44	F	7.7	81	--	--	3.6	--	0.0	41	--	1.0	--	--	0.0	--	--	33
1445	5050	1240	95	7	C	7.3				.16			.67		.03						0
										19			82		3						
03/07/68	5050	4.74	11.3	49	F	7.9	112	--	--	5.0	--	0.0	62	--	1.1	--	--	0.0	--	--	48
1045	5050	632	99	9	C	7.3				.22			1.02		.03						0
										19			91		2						
05/01/68	5050	4.60	10.6	57	F	7.9	117	8.3	5.7	6.8	1.2	0.0	67	0.0	2.4	0.2	--	0.0	--	102	44
1015	5050	425	103	14	C	7.5		.41	.47	.30	.03		1.10		.07					57	0
								34	39	25	2		94		6						
07/05/68	5050	4.01	9.4	68	F	8.3	146	--	--	8.0	--	0.0	83	--	2.1	--	--	0.0	--	--	62
1015	5050	258	104	20	C	7.8				.35			1.36		.06						0
										23			93		4						
09/03/68	5050	3.93	10.5	64	F	7.8	152	10	7.8	9.2	2.4	0.0	87	1.0	2.4	0.1	--	0.0	--	130	57
1345	5050	240	112	18	C	8.1		.50	.64	.40	.06		1.43		.02					76	0
								31	40	25	4		94		1						
A4 8110.00 COW CREEK NEAR MILLVILLE																					
11/02/67	5050	1.90	10.3	63	F	7.8	156	--	--	8.0	--	0.0	81	--	5.1	--	--	0.0	--	--	60
1245	5050	76	108	17	C	7.6				.35			1.33		.14						0
										22			85		8						
01/16/68	5050	4.86	11.9	45	F	7.6	81	--	--	3.6	--	0.0	35	--	2.2	--	--	0.0	--	--	31
1550	5050	4240	98	7	C	7.4				.16			.57		.06						3
										19			70		7						
03/07/68	5050		11.5	50	F	8.1	105	--	--	4.4	--	0.0	52	--	4.3	--	--	0.0	--	--	44
1445	5050	744	102	10	C	7.3				.19			.85		.12						2
										18			80		11						
05/01/68	5050	2.52	9.3	70	F	7.9	123	12	4.4	6.2	0.9	0.0	64	1.5	3.5	0.0	--	0.1	--	86	48
1340	5050	258	111	21	C	7.5		.60	.36	.27	.02		1.05	.03	.10					60	0
								48	29	22	2		89		8						
07/05/68	5050	1.59	8.8	84	F	8.5	176	--	--	7.2	--	3.0	91	--	6.8	--	--	0.1	--	--	71
0945	5050	28	116	29	C	8.0				.31		.10	1.49		.19						0
										17		5	84		10						
09/03/68	5050	1.58	10.0	83	F	7.8	182	16	7.0	10	1.9	0.0	100	0.2	6.2	0.0	--	0.0	--	142	69
1430	5050	24	139	28	C	8.4		.80	.58	.44	.05		1.64		.17					90	0
								43	31	24	3		91		9						
A5 R 010.6 035.6 ANTELOPE LAKE OUTLET																					
09/19/68	5050		9.0	46	F	7.5	99	9.4	3.5	3.4	--	0.0	54	0.0	0.7	--	0.1	0.1	--	92	38
1140	5050		75	8	C	7.2	125	.47	.29	.15			.89		.02					44	0
								52	32	16			98		2						
A5 R 011.0 036.1 ANTELOPE RESERVOIR (STA. 11)																					
09/19/68	5050		0.0	31.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1000	5050	7		9.0C	6.8	104															
09/19/68	5050		8.3	64.2F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1005	5050	249		88 17.9C	7.8	93															
A5 R 932.7 128.5 LAKE OROVILLE (STA. 11)																					
04/18/68	5050				--	7.8	77	--	--	--	--	0.0	41	--	--	--	--	--	--	--	--
1700	5050												.67								
													87								
05/16/68	5050				--	7.7	86	7.3	3.6	3.3	0.8	0.0	45	1.3	1.2	0.1	--	0.0	--	53	33
5050								.36	.30	.14	.02		.74	.03	.03					40	0
								44	37	17	2		93	4	4						
06/13/68	5050				--	8.0	98	9.0	5.0	3.8	1.1	0.0	50	13	1.5	0.3	--	0.0	--	48	43
1122	5050	400						.45	.41	.17	.03		.82	.27	.04					58	2
								42	39	16	3		73	24	4						

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLJ	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	CL	NO <sub>3</sub>	F	H	SiO <sub>2</sub>	TDS SUM	TH NLM
		AS R 932.7		129.5	LAKE OROVILLE (STA. 1)				CONTINUED											
07/12/68	5050 5050	400		--	8.1	--	--	--	--	0.0	53 .87	--	--	--	--	--	--	--	61 0	
08/08/68	1420 5050	10	8.4 104	77.9F 25.5C	-- 8.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/05/68	1130 5050	10	9.3 111	74.3F 23.5C	-- 8.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/05/68	1150 5050	108	8.2 73	50.0F 10.0C	-- 6.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/05/68	1200 5050	197	7.8 65	31.9F 7.4C	-- 6.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/05/68	1210 5050	295	7.1 58	31.9F 6.5C	-- 6.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/05/68	1220 5050	394	6.1 49	31.9F 6.0C	-- 6.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
		AS R 933.1		125.7	LAKE OROVILLE (STA. 3)															
04/18/68	1730 5050		--	7.8	77	--	--	--	--	0.0	43 .71 92	--	--	--	--	--	--	--	--	
05/16/68	1640 5050		--	7.8	74	7.4 .37 49	2.8 .23 31	3.1 .13 17	0.7 .02 3	0.0	40 .66 93	1.0 .02 3	1.2 .03 4	0.0	--	.00	--	55 36	30 0	
06/13/68	1615 5050	400	--	8.0	98	10 .50 52	3.2 .26 27	4.7 .18 19	1.0 .03 3	0.0	53 .87 87	3.5 .07 7	1.7 .05 5	0.4 .01 1	--	.00	--	82 50	38 0	
08/08/68	1140 5050		8.5 106	78.8F 26.0C	-- 8.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/05/68	1315 5050	394	3.2 26	31.9F 6.5C	-- 6.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
		AS R 933.4		129.0	LAKE OROVILLE (STA. 4)															
05/16/68	5050 5050		--	7.9	99	9.5 .47 48	4.0 .33 34	4.0 .17 17	0.4 .01 1	0.0	54 .89 93	1.6 .03 3	1.4 .04 4	0.1	--	.00	--	53 47	40 0	
		AS R 937.0		129.3	LAKE OROVILLE (STA. 2)															
04/18/68	1610 5050		--	7.8	90	--	--	--	--	0.0	46 .75 83	--	--	--	--	--	--	--	--	
06/13/68	1355 5050	350	--	7.9	103	7.2 .36 33	6.3 .52 48	3.8 .17 16	1.0 .03 3	0.0	58 .95 86	4.9 .10 9	1.4 .04 4	0.4 .01 1	--	.00	--	54 53	44 0	
		AS R 952.9		029.3	LAKE DAVIS OUTLET															
09/18/68	1225 5050		8.2 87	64.0F 17.8C	7.8 7.2	98 97	9.6 .48 52	3.9 .32 34	3.0 .13 14	--	0.0	54 .89 100	0.0	0.0	--	0.1	0.1	--	75 43	40 0
		AS R 953.0		028.6	LAKE DAVIS (STA. 1)															
09/18/68	1115 5050	55	0.0	31.9F 9.5C	-- 6.8	-- 105	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/18/68	1120 5050	249	6.8 70	62.2F 16.8C	-- 9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS SUM	TH NCH	
A5 R 953.6 011.3 FRENCHMAN RESERVOIR OUTLET																					
09/18/68	5050		2.8	50	F	7.8	133	13	4.7	4.9	--	0.0	75	2.1	1.7	--	0.1	0.1	--	87	52
1430	5050		25	10	C	6.8	150	.65	.39	.21	--		1.23	.04	.05	--			--	63	0
								52	31	17			93	3	4						
A5 R 954.0 011.6 FRENCHMAN RESERVOIR (STA. 9)																					
09/18/68	5050	249	8.4	62.6F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1430	5050		87	17.0C		115															
09/18/68	5050	50		31.9F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1500	5050			9.8C	6.9	136															
A5 2250.00 FEATHER RIVER, WEST BRANCH, NEAR PARADISE																					
09/11/68	5050	2.19	9.4	73	F	8.0	157	10	11	3.4	1.2	0.0	93	2.6	2.0	0.0	--	0.1	--	80	70
1215	5050		110	23	C	8.2	150	.50	.90	.15	.03		1.53	.05	.06					76	0
								32	57	9	2		93	3	4						
A5 3140.00 FEATHER RIVER, NORTH FORK, AT BIG BAR																					
03/07/68	5050	90	10.2	47	F	7.6	80	7.3	4.0	2.4	--	0.0	44	--	0.2	--	--	--	--	--	35
1230	5050		87	8	C	7.3	80	.36	.34	.10			.72		.01						0
								45	42	12			90		1						
A5 3151.01 FEATHER R. , NORTH FK. ABOVE POE DAM																					
09/11/68	5050		9.6	67	F	7.9	109	9.9	4.5	3.8	1.2	0.0	63	1.3	1.1	0.8	--	0.1	--	60	43
1345	5050		105	19	C	7.2	111	.49	.37	.17	.03		1.03	.03	.03	.01				54	0
								46	35	16	3		94	3	3	1					
A5 4320.00 INDIAN CREEK NEAR CRESCENT MILLS																					
03/07/68	5050		11.1	43	F	7.8	89	9.6	2.6	3.4	--	0.0	48	--	0.3	--	--	--	--	--	35
1115	5050		89	6	C	7.1	90	.48	.22	.15			.79		.01						0
								53	24	16			88		1						
08/09/68	5050	1.33	8.1	67	F	8.1	222	23	7.2	11	1.9	0.0	125	5.9	4.0	0.0	--	0.1	--	127	87
1000	5050		89	19	C	7.1	218	1.15	.59	.48	.05		2.05	.12	.11					114	0
								51	26	21	2		90	5	5						
A5 5100.00 FEATHER RIVER, MIDDLE FORK, NEAR MERRIMAC																					
09/11/68	5050	5.62	9.4	62	F	7.9	157	18	4.4	6.0	1.0	0.0	81	7.9	2.7	0.0	--	0.2	--	87	63
0820	5050	140	97	17	C	7.8	160	.90	.36	.26	.03		1.33	.16	.08					80	0
								58	23	17	2		85	10	5						
A5 5250.00 FEATHER RIVER, MIDDLE FORK, AT SLOAT																					
03/07/68	5050		11.5	44	F	7.8	104	11	3.0	4.4	--	0.0	54	--	1.8	--	--	--	--	--	40
1015	5050		94	7	C	7.3	105	.55	.25	.19			.89		.05						0
								52	24	18			85		4						
08/09/68	5050		9.4	75	F	8.0	144	16	3.9	6.0	1.2	0.0	80	4.4	1.7	0.1	--	0.0	--	68	56
1430	5050		112	24	C	8.4	140	.80	.32	.26	.03		1.31	.09	.05					73	0
								57	23	18	2		90	6	3						
A5 5290.11 FEATHER R, MIDDLE FK, UNNAMED TRIB, NR BLAIRSDEN																					
10/06/67	5816		55	F	--	163	--	--	--	--	--	--	--	--	0.0	--	--	--	--	--	--
5050	5050		13	C	6.6	175															

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. W	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	CL	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH
A5 5297.21 FEATHER R. MIDDLE FK, UNNAMED TRIB, NR GRAEAGLE																				
10/06/67	5050			53 F 12 C	7.4	155	--	--	--	--	--	--	--	--	--	--	--	--	--	
A5 5316.13 CALF PASTURE CREEK NEAR CLIO																				
10/05/67	5816 5050			6.4 54 F 60 12 C	7.2	323 350	--	--	--	--	--	--	28 .79 24	--	--	--	--	--	--	
A5 5325.51 BETTERTON CREEK NEAR GRAEAGLE																				
10/06/67	5816 5050			8.8 52 F 80 11 C	7.6	196 200	--	--	--	--	--	--	0.0	--	--	--	--	--	--	
A5 5331.55 WILLOW CREEK BELOW PORTOLA RESERVOIR																				
10/06/67	5816 5050			8.4 46 F 71 8 C	7.4	146 148	--	--	--	--	--	--	0.0	--	--	--	--	--	--	
A5 5331.61 WILLOW CREEK AT PORTOLA RESERVOIR																				
10/06/67	5816 5050			7.3 43 F 59 6 C	7.8	170 170	--	--	--	--	--	--	0.0	--	--	--	--	--	--	
A5 5331.69 WILLOW CREEK ABOVE PORTOLA RESERVOIR																				
10/06/67	5816 5050			8.1 42 F 64 6 C	7.9	208 165	--	--	--	--	--	--	0.0	--	--	--	--	--	--	
A5 5331.73 WILLOW CREEK BELOW UNNAMED TRIB NR PORTOLA RES																				
10/19/67	5816 5050			7.0 49 F 61 9 C	7.7	-- 148	--	--	--	--	--	--	1.5 .04	--	--	--	--	--	--	
A5 5331.77 WILLOW CREEK, UNNAMED TRIB, NEAR PORTOLA RES																				
10/19/67	5816 5050			8.2 50 F 73 10 C	7.7	-- 170	--	--	--	--	--	--	1.0 .03	--	--	--	--	--	--	
A5 5331.83 WILLOW CREEK ABOVE TRIBUTARY NR PORTOLA RES																				
10/19/67	5816 5050			7.6 49 F 67 9 C	7.9	-- 159	--	--	--	--	--	--	0.5 .01	--	--	--	--	--	--	
A5 5331.94 WILLOW CREEK HEADWATERS NEAR PORTOLA RESERVOIR																				
10/19/67	5816 5050			8.6 47 F 73 8 C	7.3	-- 155	--	--	--	--	--	--	1.0 .03	--	--	--	--	--	--	
A5 5480.00 BIG GRIZZLY CREEK NEAR PORTOLA																				
03/07/68	5050 0930 5050	1.96 5.9	10.8 83	40 F 4 C	7.9 7.5	152 150	16 .80 52	5.1 .42 27	4.5 .20 13	--	0.0	74 1.21 79	--	0.5 .01	--	--	--	--	61 1	
08/09/68	5050 1530 5050	1.97 6.3	9.2 112	77 F 25 C	7.8 8.4	128 123	14 .70 56	3.9 .32 26	4.2 .18 14	2.1 .05 4	0.0	70 1.15 91	4.3 .09 7	0.9 .03 2	0.3	--	0.0	--	84 64	51 0
A5 5525.00 LITTLE LAST CHANCE CREEK BELOW FRENCHMAN DAM																				
03/07/68	5050 0830 5050	1.49 58	11.4 86	39 F 4 C	8.0 7.5	132 125	13 .65 49	5.2 .43 32	4.4 .19 14	--	0.0	74 1.21 91	--	0.0	--	--	--	--	54 0	
08/09/68	5050 5050	2.78 58	9.5 83	49 F 9 C	7.8 7.0	126 130	13 .65 51	4.5 .37 29	4.9 .21 17	1.7 .04 3	0.0	75 1.23 96	0.8 .02 2	0.8 .02 2	0.9 .01 1	--	0.0	--	80 63	51 0



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLED	G.M. H	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	P	SI02	T0S SUM	TN NCH
AS 5575.75 ANTELOPE VALLEY CREEK NR ANTELOPE MINE																				
10/10/67	5816 5050			51 F 11 C	-- 7.6	280 270	--	--	--	--	--	--	1.0 .03 1	--	--	--	--	--	--	
AS 5618.41 BEAR VALLEY CREEK BELOW TURNER CANYON																				
10/09/67	5816 5050			9.6 53 F 79 12 C	-- 7.5	204 200	--	--	--	--	--	--	2.0 .06 2	--	--	--	--	--	--	
AS 5618.75 BEAR VALLEY CREEK NEAR BEAR VALLEY																				
10/09/67	5816 5050			9.8 49 F 86 9 C	-- 7.5	182 200	--	--	--	--	--	--	1.5 .04 2	--	--	--	--	--	--	
AS 5815.55 COTTONWOOD CREEK NR BEAR VALLEY CAMPGROUND																				
10/09/67	5816 5050			8.0 52 F 73 11 C	-- 7.6	229 300	--	--	--	--	--	--	1.5 .04 1	--	--	--	--	--	--	
AS 5830.01 COLO STREAM BELOW RICE CANYON CREEK																				
10/09/67	5816 5050			9.6 47 F 82 8 C	-- 7.6	-- 140	--	--	--	--	--	--	0.5 .01	--	--	--	--	--	--	
AS 5831.11 RICE CANYON CREEK ABOVE COLD STREAM																				
10/09/67	5816 5050			45 F 7 C	-- 7.6	-- 130	--	--	--	--	--	--	1.0 .03	--	--	--	--	--	--	
AS 5931.51 WILLOW CREEK DIVERSION NR MABIE																				
10/06/67	5816 5050			8.9 45 F 74 7 C	-- 7.5	150 149	--	--	--	--	--	--	0.5 .01	--	--	--	--	--	--	
AS 6080.00 FEATHER RIVER, SOUTH FORK, BELOW PONDEROSA DAM																				
03/08/68	5050 1130			10.7 44 F 87 7 C	7.5 7.1	45 50	4.0 .20 44	2.4 .20 44	1.4 .06 13	--	0.0	22 .36 80	--	0.5 .01 2	--	--	--	--	20 2	
AS 6925.00 FEATHER R. S FK. MINERS RANCH DITCH AT S FK BR																				
09/11/68	5050 1015			10.8 64 F 114 18 C	7.1 7.2	41 42	4.2 .21 49	1.6 .13 30	1.9 .08 19	0.2 .01 2	0.0	21 .34 87	1.5 .03 8	0.7 .02 5	0.0	--	0.0	--	--	17 0
AT 1110.00 AMERICAN RIVER AT NIMBUS DAM																				
08/07/68	5050 1400	1.76 1640		8.2 69 F 92 21 C	7.2 7.2	62 68	6.4 .32 52	1.9 .16 26	2.5 .11 18	0.6 .02 3	0.0	29 .48 79	3.3 .07 11	2.0 .06 10	0.0	--	0.0	--	49 31	24 0
AT 3100.00 AMERICAN RIVER, MIDDLE FORK, NEAR AUBURN																				
04/09/68	5050 1310			11.1 55.5F 106 13.0C	7.6 7.3	49 48	4.7 .23 46	1.5 .12 24	1.8 .08 16	--	0.0	24 .39 79	--	1.1 .03 6	--	--	--	--	--	18 0
09/06/68	5050 0950			10.8 67 F 118 19 C	7.3 7.3	45 45	5.2 .26 57	1.2 .10 22	1.8 .08 17	--	0.0	20 .33 73	--	1.4 .04 8	--	--	--	--	--	18 2
AT 4150.10 AMERICAN R. SOUTH FK. NEAR LOTUS (480VE GAGE)																				
04/09/68	5050 1415	5.93 940		11.8 55.5F 112 13.0C	7.6 7.4	50 48	4.7 .23 46	1.5 .12 24	2.2 .10 20	--	0.0	24 .39 78	--	2.0 .06 12	--	--	--	--	--	18 0
09/06/68	5050 0845	4.80 300		10.7 68 F 118 20 C	7.3 7.2	44 35	2.6 .13 29	1.3 .11 25	1.5 .07 15	--	0.0	13 .21 47	--	1.2 .03 6	--	--	--	--	--	12 2

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAH SAMPLED	G.M. W	DO SAT	TEMP	PH LAH FLD	EC LAH FLD	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TN NCH	
AB 1120.00 CACHE CREEK NEAR CAPAY																					
12/01/67 1245	5050 5050	1.81 27	11.2 93	45 H	F C	8.6 8.1	800 750	-- --	-- --	70 3.05 38	-- --	11 .37 4	266 4.16 54	-- --	101 2.85 35	-- --	-- --	1.8 --	-- --	-- --	257 21
03/04/68 1245	5050 5050	4.72 1050	9.6 93	54 15	F C	8.3 8.1	409 380	.27 1.35 33	.22 1.31 44	.21 .91 22	-- --	0.0 --	191 3.13 76	-- --	18 .51 12	-- --	-- --	-- --	-- --	-- --	158 2
04/05/68 0950	5050 5050	4.14 249	10.6 104	58 14	F C	8.6 8.3	643 810	.34 1.70 26	.40 1.29 51	.42 1.43 28	-- --	11 .37 5	253 4.15 64	-- --	43 1.21 18	-- --	-- --	-- --	-- --	-- --	248 22
05/16/68 1305	5050 5050	3.52 211	9.1 103	70 21	F C	8.3 8.4	449 403	.26 1.30 28	.23 1.89 42	.28 1.22 27	-- --	0.0 --	208 3.41 75	-- --	24 .68 15	-- --	-- --	-- --	-- --	-- --	161 0
06/06/68 1100	5050 5050	4.75 540	9.1 103	70 21	F C	8.1 8.3	372 341	.24 1.20 32	.19 1.56 41	.17 .74 19	-- --	0.0 --	178 2.92 78	-- --	14 .39 10	-- --	-- --	-- --	-- --	-- --	140 0
07/17/68 1000	5050 5050	4.77 512	8.4 102	70 24	F C	8.6 --	350 --	.26 1.30 37	.16 1.38 39	.18 .78 22	-- --	5.0 .17 4	160 2.62 74	-- --	14 .39 11	-- --	-- --	-- --	-- --	-- --	134 0
08/14/68 1330	5050 5050	3.48 347	8.9 109	77 25	F C	8.2 8.4	288 320	.28 1.40 48	.17 1.40 48	.20 .87 30	-- --	0.0 --	179 2.94 102	-- --	17 .48 16	-- --	-- --	-- --	-- --	-- --	140 0
09/13/68 1400	5050 5050	4.49 166	8.9 108	76 24	F C	8.4 8.4	410 430	.27 1.35 32	.20 1.67 40	.22 .96 23	-- --	3.0 .10 2	181 2.97 72	-- --	19 .54 13	-- --	-- --	-- --	-- --	-- --	151 0
AB 1350.00 CACHE CREEK NEAR LOWER LAKE																					
05/14/68 1350	5050 5050	2.99 210	9.8 102	63 17	F C	8.0 8.0	278 --	.21 1.05 36	.16 1.32 46	.11 .48 17	2.0 .05 2	0.0 --	152 2.49 87	7.4 .15 5	6.5 .18 6	2.3 .04 1	-- --	0.8 --	18 --	161 159	120 0
08/08/68 1200	5050 5050	3.30 245	9.0 101	80 27	F C	8.4 8.4	288 --	-- --	-- --	.12 .52 18	-- --	2.0 .07 2	154 2.53 87	-- --	6.2 .17 5	-- --	-- --	0.9 --	-- --	-- --	128 0
09/12/68 1330	5050 5050	2.60 148	8.9 105	74 23	F C	8.1 8.4	299 --	.24 1.20 37	.17 1.40 43	.13 .57 18	2.5 .06 2	0.0 --	159 2.61 82	9.2 .19 6	9.0 .25 8	7.8 .13 4	-- --	1.0 --	-- --	192 161	130 0
AB 1720.00 CLEAR LAKE AT LAKEPORT																					
05/14/68 1245	5050 5050	11.3 124	67 19	F C	7.8 8.4	256 --	.19 .95 36	.15 1.23 46	.10 .44 16	1.9 .05 2	0.0 --	137 2.25 86	7.4 .15 6	5.9 .17 7	2.7 .04 2	-- --	0.6 --	16 --	148 146	108 0	
08/08/68 1045	5050 5050	5.3 79	80 27	F C	8.2 7.9	278 --	-- --	-- --	.11 .48 17	-- --	0.0 --	150 2.46 88	-- --	5.8 .16 5	-- --	-- --	0.8 --	-- --	-- --	-- --	122 0
09/12/68 1130	5050 5050	9.1 109	75 24	F C	8.0 8.3	290 --	.23 1.15 36	.18 1.48 46	.12 .52 16	2.0 .05 2	0.0 --	158 2.59 85	7.6 .16 5	8.4 .24 8	3.4 .05 2	-- --	0.6 --	-- --	167 152	130 1	
AB 2050.00 CACHE CREEK, NORTH FORK, NEAR LOWER LAKE																					
05/14/68 1445	5050 5050	1.74 55	10.2 112	67 19	F C	8.5 8.4	485 --	.30 1.50 29	.30 2.47 48	.27 1.17 23	1.1 .03 1	6.0 .20 4	224 3.67 73	15 .31 6	29 .82 16	0.8 .01 --	-- --	2.1 --	17 --	247 268	197 4
09/12/68 1320	5050 5050	.91 117	9.3 117	80 27	F C	8.4 8.2	646 --	.37 1.85 29	.31 2.55 40	.45 1.96 31	2.3 .06 1	4.0 .13 2	232 3.80 61	.21 .44 7	.67 1.89 30	0.2 --	-- --	4.7 --	-- --	371 326	220 24
A9 1250.00 PUTAH CREEK NEAR WINTERS																					
05/13/68 0900	5050 5050	7.22 487	11.8 106	51 11	F C	8.4 8.2	306 --	.15 .75 23	.26 2.14 65	.88 .38 11	1.6 .04 1	3.0 .10 3	162 2.66 82	15 .31 10	6.8 .19 6	0.2 --	-- --	0.1 --	12 --	162 168	145 7
B0 1125.00 COSUMNES RIVER AT MCCONNELL																					
03/11/68 1600	5050 5050	33.03 524	9.6 86	51 11	F C	7.6 7.3	108 115	.94 .47 43	.64 .53 49	3.8 .17 15	-- --	0.0 --	52 .85 78	-- --	2.2 .06 5	-- --	-- --	-- --	-- --	-- --	50 8
04/04/68 1230	5050 5050	33.42 622	11.4 108	55 13	F C	7.6 7.3	70 69	.63 .31 44	.33 .27 38	2.4 .10 14	-- --	0.0 --	36 .59 84	-- --	1.4 .04 5	-- --	-- --	-- --	-- --	-- --	29 0



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. #	DO SAT	TEMP	PH LAB FLO	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS TH						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	SUM	NCH	
80 2105.00 MOKELUMNE RIVER AT WOODBRIDGE																					
04/04/68 1140	5050 5050	4.28 108	11.4 110	56.5F 13.5C	7.3 7.3	48 42	4.8 .24 50	1.2 .10 20	1.9 .08 16	--	0.0	21 34 70	--	2.2 .06 12	--	--	--	--	--	17 0	
05/15/68 0930	5050 5050	3.60 38		57 F 14 C	7.1 7.1	51 60	4.6 .23 45	1.6 .13 25	2.2 .10 19	--	0.0	21 .34 66	--	1.9 .05 9	--	--	--	--	--	18 1	
06/07/68 1230	5050 5050	3.63 36	9.6 105	67 F 19 C	7.6 7.3	51 45	4.6 .23 45	1.3 .11 21	1.9 .08 15	--	0.0	22 .36 70	--	1.0 .03 5	--	--	--	--	--	17 0	
07/11/68 1130	5050 5050	3.62 38	9.1 105	71.5F 21.9C	7.3 7.3	57 48	5.7 .28 49	0.9 .07 12	2.4 .10 17	--	0.0	22 .36 63	--	1.8 .05 8	--	--	--	--	--	18 0	
08/06/68 0745	5050 5050	3.75 42	9.1 98	66 F 19 C	7.6 7.1	62 45	6.0 .30 48	0.9 .08 12	2.5 .11 17	--	0.0	23 .38 61	--	2.0 .06 9	--	--	--	--	--	19 0	
09/17/68 0845	5050 5050	3.58 34	9.0 95	64 F 18 C	7.4 7.0	58 48	5.6 .28 48	1.7 .14 24	2.4 .10 17	--	0.0	25 .41 70	--	1.8 .05 8	--	--	--	--	--	21 1	
80 2143.00 MOKELUMNE RIVER BELOW CAMANCHE DAM																					
08/06/68 1135	5050 5050		12.0 121	60 F 16 C	7.6 7.1	73 40	4.8 .24 32	1.4 .12 16	2.4 .10 13	--	0.0	21 .34 46	--	1.8 .05 6	--	--	--	--	--	18 1	
80 2515.01 CALAVERAS RIVER AT STOCKTON																					
01/09/68 1300	5050 5050		9.1 71	41 F 5 C	8.0 7.5	172 280	22 1.10 63	3.9 .32 18	5.1 .22 12	--	0.0	93 1.53 88	--	4.6 .13 7	--	--	--	--	--	71 0	
04/04/68 1035	5050 5050		10.9 113	62 F 17 C	8.0 8.1	172 177	17 .85 49	6.9 .57 33	4.7 .20 11	--	0.0	79 1.30 75	--	4.6 1.30 75	--	--	--	--	--	71 6	
06/07/68 1140	5050 5050		9.4 112	75 F 24 C	8.4 7.9	192 150	20 1.00 52	7.3 .80 31	4.7 .20 10	--	2.0	88 .07 3	--	4.0 1.44 75	--	--	--	--	--	80 5	
07/11/68 1045	5050 5050		9.1 111	77 F 25 C	8.9 8.3	199 197	40 2.00 100	3.3 .28 14	7.1 3.09 155	--	5.0	80 .17 8	--	4.6 .13 6	--	--	--	--	--	86 12	
08/06/68 1015	5050 5050		7.9 98	78 F 26 C	8.4 8.0	178 180	20 1.00 56	8.5 .70 39	7.6 .33 18	--	2.0	95 .07 3	--	4.7 1.56 87	--	--	--	--	--	85 4	
09/17/68 1210	5050 5050	.92	8.9 103	72 F 22 C	8.1 7.7	197 190	23 1.15 58	7.9 .65 32	7.3 .32 16	--	0.0	100 1.64 83	--	4.7 .13 6	--	--	--	--	--	90 8	
81 1150.00 COSUMNES RIVER AT MICHIGAN BAR																					
01/09/68 1400	5050 5050		10.9 86	42 F 6 C	7.9 7.5	117 120	12 .60 51	4.3 .36 30	3.8 .17 14	--	0.0	54 .89 76	--	3.3 .09 7	--	--	--	--	--	48 4	
03/11/68 1430	5050 5050	4.02 538	10.8 92	47 F 8 C	7.6 7.3	99 105	9.0 .45 45	4.2 .35 35	3.4 .15 15	--	0.0	50 .82 82	--	2.5 .07 7	--	--	--	--	--	40 0	
04/04/68 1415	5050 5050	4.27 669	11.9 111	54 F 12 C	7.7 7.3	66 68	6.6 .33 50	2.6 .21 31	2.2 .10 15	--	0.0	34 .56 84	--	1.5 .04 6	--	--	--	--	--	27 0	
05/14/68 1105	5050 5050	3.70 294	10.4 101	57 F 14 C	7.6 7.5	71 80	6.2 .31 43	2.6 .21 29	2.8 .12 16	--	0.0	36 .59 83	--	0.9 .03 4	--	--	--	--	--	26 0	
06/07/68 1400	5050 5050	2.96 95	9.6 112	73 F 23 C	8.0 7.7	76 69	6.5 .32 42	2.7 .22 28	3.0 .13 17	--	0.0	38 .62 81	--	1.1 .03 3	--	--	--	--	--	27 0	
07/11/68 1425	5050 5050	2.76 77		81 F 27 C	7.6 7.9	79 72	7.2 .36 45	2.1 .18 22	3.9 .17 21	--	0.0	38 .62 78	--	1.8 .05 6	--	--	--	--	--	27 0	
08/06/68 1520	5050 5050	2.68 44	8.7 112	82 F 28 C	7.9 7.9	60 56	6.4 .32 53	1.4 .12 20	3.3 .14 23	--	0.0	32 .52 86	--	1.4 .04 6	--	--	--	--	--	22 0	
09/05/68 1015	5050 5050			--	7.6	96 78	7.3 .36 37	3.3 .28 29	4.4 .19 19	--	0.0	41 .67 69	--	1.7 .05 5	--	--	--	--	--	32 0	

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. U	DO SAT	TEMP	PH LAB FLO	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SiO2	TDS SUM	TN NCH		
#1 2100.00 COSUMNES RIVER, NORTH FORK, AT BUCKS BAR																						
03/11/68 1330	5050 5050	172		9.9 85	48 9	F C	7.6 7.1	65 75	6.8 .34 57	1.7 .14 23	2.6 .11 18	0.3 .01 2	0.0	30 .49 89	0.5 .01 2	1.6 .05 9	0.0	--	0.0	--	62 28	24 0
08/06/68 1330	5050 5050			9.4 102	66 19	F C	7.7 7.3	50 38	4.6 .23 46	0.8 .07 14	2.4 .10 20	--	0.0	22 .36 72	--	0.9 .03 6	--	--	--	--	--	15 0
#1 3150.00 COSUMNES RIVER, MIDDLE FORK, NEAR SOMERSET																						
03/11/68 1100	5050 5050	185		11.6 93	43 6	F C	7.5 7.1	40 50	4.3 .21 48	1.8 .15 34	1.6 .07 16	0.5 .01 2	0.0	25 .41 93	0.2	0.9 .03 7	0.0	--	0.0	--	40 22	18 0
08/06/68 1300	5050 5050			8.4 105	79 26	F C	8.0 7.3	64 63	8.0 .40 62	1.2 .10 15	3.7 .16 25	--	0.0	37 .61 95	--	1.3 .04 6	--	--	--	--	--	25 0
#1 4100.00 COSUMNES RIVER, SOUTH FORK, NEAR RIVER PINES																						
03/11/68 1215	5050 5050	50		10.6 89	46 8	F C	7.8 7.3	91 100	8.7 .43 48	3.5 .29 33	3.4 .15 17	0.7 .02 2	0.0	48 .79 86	3.8 .08 9	1.8 .05 5	0.0	--	0.0	--	75 45	36 0
#2 1150.00 URY CREEK NEAR IONF																						
03/11/68 1300	5050 5050			10.2 95	54 12	F C	8.0 8.1	228 230	23 1.15 51	10 .82 36	6.0 .26 12	0.9 .02 1	0.0	91 1.49 67	29 .60 27	4.1 .12 5	1.8 .03 1	--	0.0	--	154 119	99 25
#2 5300.00 CALAVERAS RIVER BELOW NEW HOGAN DAM																						
01/28/68 1600	5050 5002	.92 35		48 9	F C	8.2	196	--	--	4.5 .20 10	--	--	0.0	91 1.49 76	--	5.5 .16 8	--	--	0.0	--	--	87 13
02/20/68 1020	5050 5002	.92 35	12.3 112	52 11	F C	8.1	200	--	--	4.2 .18 9	--	--	0.0	92 1.51 75	--	3.9 .11 5	--	--	0.1	--	--	90 15
03/08/68 1430	5050 5002	.92 35	12.9 114	50 10	F C	7.8	201	22 1.10 54	9.0 .74 36	5.0 .22 10	--	--	0.0	92 1.51 75	--	5.0 .14 6	--	--	--	--	92 17	
04/11/68 0810	5050 5002	.92 35	12.0 109	52 11	F C	7.9	193	21 1.05 54	8.1 .67 34	4.7 .20 10	--	--	0.0	92 1.51 78	--	4.5 .13 6	--	--	--	--	86 11	
#2 5300.10 CALAVERAS RIVER ABOVE NEW HOGAN RESERVOIR																						
01/28/68 1115	5050 5002		13.5 113	46 8	F C	8.1	199	--	--	5.2 .23 11	--	--	0.0	88 1.44 72	--	6.6 .19 9	--	--	0.1	--	--	89 17
02/20/68 0900	5050 5002		11.3 103	52 11	F C	7.4	156	--	--	4.1 .18 11	--	--	0.0	72 1.18 75	--	4.0 .11 7	--	--	0.1	--	--	65 6
#9 D 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE																						
02/02/68 1145	5006 5001			9.7 46	10.0F 12.2C	-- 7.3	-- 850	37 1.85 23	21 1.73 22	98 4.26 54	4.2 .11 1	0.0	127 2.08 27	100 2.08 27	124 3.50 46	--	--	--	--	--	180 446	76
02/21/68 1305	5001			8.5 45	16.0F 8.8C	-- 8.0	-- 1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/22/68 1405	5006 5001			9.2 49	16.0F 8.8C	-- 7.6	-- 470	36 1.80 36	10 .82 16	54 2.35 47	3.2 .08 2	0.0	86 1.41 30	62 1.29 27	71 2.00 43	--	--	0.5	--	--	131 279	61
04/19/68 1208	5001			16.2 87	17.0F 8.3C	-- 8.5	-- 1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/16/68 1050	5001			11.3 63	19.0F 7.2C	-- 8.3	-- 1050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	L.A.H. SAMPLED	G.H. DEPTH	DO SAT	TEMP	PH L.A.H. F.L.O.	EC LAB F.L.O.	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH	
H9 D 748.3 126.9 OLD RIVER AT TRACY ROAD BRIDGE CONTINUED																					
06/17/68 1405	5006 5001		6.8 42	25.0F 3.8C	-- 8.5	-- 950	43 2.15	25 2.06	100 4.35	4.4 .11	0.0	148 2.43	80 1.66	161 4.54	--	--	--	--	486	212 91	
07/16/68 1351	5001		11.3 80	24.0F 4.4C	-- 8.3	-- 990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/14/68 1335	5001		4.2 49	23.0F 4.9C	-- 8.4	-- 1025	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/11/68 1232	5001		11.9 64	17.0F 8.3C	-- 8.4	-- 1085	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
H9 D 748.7 134.7 DELTA-MENDOTA CANAL INTAKE AT TRACY PUMPING PLNT																					
10/02/67 1240	5050		7.2 81	69 F 21 C	-- 7.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
11/06/67 1330	5050		7.4 77	63 F 17 C	-- 7.3	-- 440	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
12/04/67 1330	5050		10.1 93	53 F 12 C	-- 7.3	-- 410	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
01/03/68 1245	5050		10.2 87	47 F 8 C	-- 7.5	-- 725	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/06/68 1200	5050		8.3 86	62 F 17 C	-- 7.8	-- 750	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/03/68 1115	5050		12.0 130	66 F 19 C	-- 7.3	-- 380	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
H9 D 749.4 135.9 ITALIAN SLOUGH AT RYRON-BETHANY PUMPS																					
10/02/67 1050	5050 5050	.30	69 F 21 C	--	538 515	--	--	--	--	--	--	--	--	--	--	--	0.9	--	--	--	
10/05/67 0720	5050 5050	.27	4.3 90	66.0F 19.8C	8.1 7.9	605 580	23 1.15	12 .99	74 3.22	2.6 .07	0.0 1	108 1.77	44 .92	95 2.68	1.8 .03	--	1.2	--	311 307	107 19	
10/09/67 0740	5050 5050	1.00	66 F 19 C	--	585	--	--	--	--	--	--	--	--	--	--	--	1.1	--	--	--	
10/12/67 0750	5050 5050	.30	66 F 19 C	--	561 500	--	--	--	--	--	--	--	85 2.40 42	--	--	--	0.5	--	--	--	
10/17/67 0845	5050 5050		66 F 19 C	--	443	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/23/67 0730	5050 5050	.90	67 F 19 C	--	699 590	--	--	--	--	--	--	--	113 3.19 45	--	--	--	0.8	--	--	--	
11/20/67 0950	5050 5050		61 F 16 C	--	1150 1050	--	--	--	--	--	--	--	237 6.68 58	--	--	--	4.4	--	--	--	
01/15/68 1155	5050 5050		48 F 9 C	--	1050 1000	--	--	--	--	--	--	--	201 5.67 54	--	--	--	3.5	--	--	--	
02/06/68 1330	5050 5050		55 F 13 C	--	1390 1375	--	--	--	--	--	--	--	278 7.84 56	--	--	--	4.3	--	--	--	
03/08/68 1350	5050 5050		58 F 14 C	--	1390 1350	--	--	--	--	--	--	--	274 7.73 55	--	--	--	4.6	--	--	--	
04/02/68 1010	5050 5050		61 F 16 C	--	1580 1800	--	--	--	--	--	--	--	354 9.98 63	--	--	--	7.2	--	--	--	
05/01/68 1140	5050 5050		66 F 19 C	--	1020 975	--	--	--	--	--	--	--	206 5.81 56	--	--	--	5.0	--	--	--	
06/07/68 1040	5050 5050		63 F 17 C	--	1120 1020	--	--	--	--	--	--	--	245 6.91 61	--	--	--	5.3	--	--	--	

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAT SAMPLED	G.M. DEPTH	MO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TOS SUM	TH NCH
49 D 749.6 135.9 ITALIAN SLOUGH AT BYRON-BETHANY PUMPS CONTINUED																				
07/24/68	5050			73 F	--	1160	--	--	--	--	--	--	240	--	--	4.8	--	--	--	
1020	5050			23 C		970							6.77							
													58							
49 D 750.1 136.5 BRUSHY CREEK NEAR BYRON																				
10/09/67	5050			61 F	--	860	--	--	--	--	--	--	--	--	--	1.6	--	--	--	
0755	5050			16 C		800														
10/23/67	5050			54 F	--	720	--	--	--	--	--	--	96	--	--	1.1	--	--	--	
0740	5050			14 C		650							2.71							
													37							
03/08/68	5050			56 F	--	1150	--	--	--	--	--	--	192	--	--	5.0	--	--	--	
1105	5050			13 C		1100							5.41							
													47							
49 D 750.3 136.1 ITALIAN SLOUGH AT CLIFTON COURT ROAD BRIDGE																				
10/02/67	5050			69 F	--	544	--	--	--	--	--	--	--	--	--	0.9	--	--	--	
1100	5050			21 C		520														
10/05/67	5050			--	7.4	604	25	11	72	2.9	0.0	105	45	101	3.4	--	1.1	--	308	109
0800	5050					560	1.25	.90	3.13	.07		1.72	.94	2.85	.05				313	23
							23	17	59	1		31	17	51	1					
10/09/67	5050			66 F	--	561	--	--	--	--	--	--	--	--	--	0.7	--	--	--	
0800	5050			19 C		520														
10/12/67	5050			67 F	--	546	--	--	--	--	--	--	74	--	--	0.6	--	--	--	
0800	5050			19 C		490							2.09							
													38							
10/17/67	5050			67 F	--	437	--	--	--	--	--	--	--	--	--	--	--	--	--	
0830	5050			19 C		406														
10/23/67	5050			64 F	--	644	--	--	--	--	--	--	87	--	--	0.4	--	--	--	
0745	5050			18 C		560							2.45							
													38							
10/30/67	5050			60 F	--	574	--	--	--	--	--	--	89	--	--	0.4	--	--	--	
0845	5050			16 C		500							2.51							
													43							
11/06/67	5050			62 F	7.6	493	20	10	58	1.8	0.0	81	32	78	2.8	--	0.6	--	267	91
0930	5050			17 C		450	1.00	.82	2.52	.05		1.33	.67	2.20	.05				243	25
							23	19	57	1		31	16	52	1					
11/13/67	5050			60 F	--	796	--	--	--	--	--	--	--	--	--	2.7	--	--	--	
0940	5050			16 C		750														
11/20/67	5050			60 F	--	583	--	--	--	--	--	--	100	--	--	1.0	--	--	--	
0958	5050			16 C		560							2.82							
													48							
01/15/68	5050			49 F	--	676	--	--	--	--	--	--	102	--	--	0.9	--	--	--	
1030	5050			9 C		670							2.88							
													42							
02/06/68	5050			50 F	--	975	--	--	--	--	--	--	160	--	--	1.1	--	--	--	
1030	5050			10 C		950							4.51							
													46							
03/08/68	5050			60 F	--	938	--	--	--	--	--	--	134	--	--	1.0	--	--	--	
1120	5050			16 C		880							3.78							
													40							
04/02/68	5050			60 F	--	571	--	--	--	--	--	--	80	--	--	0.8	--	--	--	
1015	5050			16 C		520							2.26							
													39							
05/01/68	5050			65 F	--	323	--	--	--	--	--	--	36	--	--	0.2	--	--	--	
1130	5050			18 C		300							1.02							
													31							
06/07/68	5050			65 F	--	713	--	--	--	--	--	--	129	--	--	2.4	--	--	--	
1045	5050			18 C		640							3.64							
													51							
07/24/68	5050			70 F	--	664	--	--	--	--	--	--	127	--	--	1.0	--	--	--	
1015	5050			21 C		600							3.58							
													53							



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAH SAMPLER	G.H. DEPTH	UD SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH	
89 D 750.9 135.3 ITALIAN SLOUGH NEAR MOUTH																					
10/02/67 1125	5050 5050	.12		71 F 22 C	--	496 420	--	--	--	--	--	--	--	--	--	--	0.3	--	--	--	
10/05/67 0835	5050 5050		7.4 81	67 F 19 C	8.1 7.5	417 410	21 1.05	11 .90	41 1.78	2.0 .05	0.0	98 1.61	30 .62	51 1.44	2.0 .03	--	0.3	--	211 206	98 18	
10/09/67 0825	5050 5050	.10		67 F 19 C	--	507 540	--	--	--	--	--	--	--	--	--	--	0.5	--	--	--	
10/12/67 0840	5050 5050	.80		68 F 20 C	--	483 440	--	--	--	--	--	--	--	67 1.89	--	--	0.2	--	--	--	
10/17/67 0820	5050 5050	1.00		68 F 20 C	--	490	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/23/67 0830	5050 5050	.90		65 F 18 C	--	640 575	--	--	--	--	--	--	--	102 2.88	--	--	0.3	--	--	--	
10/30/67 0910	5050 5050	.90		62 F 17 C	--	443 410	--	--	--	--	--	--	--	68 1.92	--	--	0.2	--	--	--	
11/06/67 1250	5050 5050	2.00	9.1 95	63 F 17 C	8.3 7.3	400 360	18 .90	9.6 .79	40 1.74	1.4 .04	0.0	67 1.10	35 .73	54 1.52	3.0 .05	--	0.1	--	223 194	84 29	
11/13/67 0925	5050 5050	.40		61 F 16 C	--	484 470	--	--	--	--	--	--	--	--	--	--	0.4	--	--	--	
11/20/67 1015	5050 5050	1.90		60 F 16 C	--	452 430	--	--	--	--	--	--	--	68 1.92	--	--	0.3	--	--	--	
12/04/67 1300	5050	1.00	9.6 91	55 F 13 C	--	-- 400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
01/03/68 1200	5050		10.6 90	47 F 8 C	--	-- 520	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
01/15/68 1110	5050 5050			48 F 9 C	--	581 585	--	--	--	--	--	--	--	76 2.14	--	--	0.3	--	--	--	
02/06/68 0945	5050 5050			49 F 9 C	--	857 815	--	--	--	--	--	--	--	126 3.55	--	--	0.5	--	--	--	
03/08/68 1145	5050 5050			59 F 15 C	--	871 825	--	--	--	--	--	--	--	120 3.38	--	--	0.5	--	--	--	
04/02/68 1100	5050 5050			61 F 16 C	--	432 460	--	--	--	--	--	--	--	53 1.49	--	--	0.2	--	--	--	
05/01/68 1100	5050 5050	2.00		65 F 18 C	--	226 225	--	--	--	--	--	--	--	18 .51	--	--	0.0	--	--	--	
06/07/68 1115	5050 5050	1.00		78 F 21 C	--	293 295	--	--	--	--	--	--	--	30 .85	--	--	0.0	--	--	--	
07/24/68 0945	5050 5050	.80		76 F 24 C	--	535 480	--	--	--	--	--	--	--	94 2.65	--	--	0.2	--	--	--	
89 D 753.5 134.2 OLD RIVER NEAR BYRON																					
10/12/67 1100	5050 5050			69 F 21 C	--	404 380	--	--	--	--	--	--	--	50 1.41	--	--	0.2	--	--	--	
89 D 758.7 122.9 SAN JOAQUIN RIVER AT BUCKLEY COVE																					
02/02/68 0945	5006 5001	10.0 87	31.9F 9.0C	--	--	--	28 1.40	17 1.40	68 2.96	5.0 .13	0.0	110 1.80	68 1.41	112 3.16	--	--	--	--	--	142 352	
03/22/68 1135	5006 5001	9.0 46	14.0F 9.9C	--	--	28 395	1.40 32	12 .99	42 1.83	3.4 .09	0.0	80 1.31	48 1.00	51 1.44	--	--	0.5	--	--	119 54	
04/19/68 0930	5001	11.0 59	17.0F 8.3C	--	--	470	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLE	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN										MILLIGRAMS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS TH				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	SUM	TH NCH						
							89 D 758.7 122.9 SAN JOAQUIN RIVER AT BUCKLEY COVE										CONTINUED									
05/16/68 0835	5001		9.0 49	18.0F 7.7C	-- 7.9	-- 395	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/17/68 1005	5001		10.1 55	18.0F 7.7C	-- 7.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/17/68 1045	5001		7.5 45	24.0F 4.4C	-- 7.8	-- 365	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/16/68 1120	5001			25.0F 3.8C	-- 7.8	-- 250	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/14/68 1100	5001		6.1 37	24.0F 4.4C	-- 7.4	-- 380	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/11/68 1025	5001		4.8 28	23.0F 4.9C	-- 7.3	-- 500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
							89 D 800.5 134.8 OLD RIVER AT HOLLAND TRACT																			
04/19/68 1130	5001	3	9.8 100	61 F 16 C	-- 7.8	-- 220	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/17/68 1420	5050			--	--	260 251	--	--	--	--	--	--	28 .79 30	--	--	--	--	--	--	--	--	144	--	--	--	
05/21/68 1400	5001	3	8.3 90	66 F 19 C	-- 7.6	-- 350	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/27/68 1540	5050			--	--	285 280	--	--	--	--	--	--	31 .87 30	--	--	--	--	--	--	--	--	162	--	--	--	
07/17/68 1445	5006 5001	3	7.6 91	75.2F 24.0C	-- 7.6	650 590	17 .87 15	14 1.22 21	85 3.70 62	5.4 .14 2	0.0	82 1.34 23	30 .62 11	134 3.78 66	--	--	--	--	--	--	--	327	104 37	--	--	
08/15/68 1320	5001	3	8.6 101	73 F 23 C	-- 7.7	-- 650	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/27/68 1320	5006 5001	3	8.3 94	70 F 21 C	-- 7.6	435 410	15 .77 20	14 1.20 31	42 1.83 47	2.4 .06 2	0.0	112 1.84 50	21 .44 12	50 1.41 38	--	--	0.5	--	--	--	389 201	98 6	--	--	--	
							89 D 800.7 138.4 DUTCH SLOUGH AT FARRAR PARK BRIDGE																			
10/17/67 1340	5001		9.8 108	67.1F 19.5C	-- 7.5	-- 237	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/17/67 1610	5001		10.1 112	68.0F 20.0C	-- 7.7	-- 233	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/17/67 1915	5001		10.0 110	67.1F 19.5C	-- 7.7	-- 228	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/17/67 2210	5001		9.5 103	66.2F 19.0C	-- 7.6	-- 221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/18/67 0130	5001		10.0 109	66.2F 19.0C	-- 7.5	-- 225	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/18/67 0405	5001		9.2 99	65.3F 18.5C	-- 7.1	-- 228	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/18/67 0755	5001		9.6 101	63.5F 17.5C	-- 7.4	-- 225	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/18/67 0945	5001		9.4 100	64.4F 18.0C	-- 7.3	-- 223	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/18/67 1325	5001		9.5 104	67.1F 19.5C	-- 7.6	-- 221	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/18/67 1620	5001		9.9 109	67.1F 19.5C	-- 7.6	-- 238	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLE#	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS TH				
							CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	B	SI02	SUM	TH NCH
89 U 800.7 138.4							OUTCH SLOUGH AT FARRAR PARK BRIDGE							CONTINUED						
10/18/67 1920	5001		9.9 108	66.2F 19.0C	-- --	-- 230	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/18/67 2225	5001		9.6 103	65.3F 18.5C	-- --	-- 219	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/19/67 0055	5001		9.4 102	66.2F 19.0C	-- 7.5	-- 214	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/19/67 0400	5001		8.2 88	65.3F 18.5C	-- 8.9	-- 231	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/19/67 0655	5001		9.0 97	65.3F 18.5C	-- 8.0	-- 233	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/19/67 1000	5001		8.8 95	65.3F 18.5C	-- 7.4	-- 224	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/27/68 1445	5001	2.70 3	9.6 99	62 F 17 C	-- 7.8	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/27/68 1700	5001	2.60 3	9.7 100	62 F 17 C	-- 7.8	-- 330	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/27/68 1945	5001	3	9.3 94	60 F 16 C	-- 8.0	-- 320	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/27/68 2250	5001	.00 3	9.5 93	58 F 14 C	-- 7.8	-- 320	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/28/68 0150	5001	1.70 3	9.5 93	58 F 14 C	-- 7.7	-- 320	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/28/68 0440	5001	3.80 3	9.6 94	58 F 14 C	-- 7.6	-- 320	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/28/68 0735	5001	1.60 3	9.4 93	59 F 15 C	-- 7.7	-- 330	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/28/68 1020	5001	.30 3	9.2 98	65 F 18 C	-- 7.7	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/28/68 1345	5001	3	9.5 98	62 F 17 C	-- 7.6	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/28/68 1700	5001	2.60 3	9.4 99	64 F 18 C	-- 7.7	-- 310	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/28/68 2015	5006 5001	3	9.4 97	62 F 17 C	7.2 7.8	320 320	22 1.13 34	11 .96 29	25 1.11 34	3.0 .08 2	0.0	22 .36 12	50 1.04 35	57 1.61 53	--	--	--	--	156 181	105 87
03/28/68 2250	5001	.20 3	9.7 98	60 F 16 C	-- 7.9	-- 310	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/29/68 0135	5001	3	9.2 91	59 F 15 C	-- 7.6	-- 320	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/29/68 0435	5001	2.90 3	8.9 88	58 F 14 C	-- 7.6	-- 310	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/29/68 0745	5001	3	8.8 91	62 F 17 C	-- 7.6	-- 320	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/29/68 1015	5001	.60 3	9.2 98	65 F 18 C	-- 7.6	-- 320	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/23/68 1345	5001	3	9.8 94	56.3F 13.5C	-- 7.8	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/23/68 1700	5001	1.30 3	9.2 86	53.6F 12.0C	-- 6.5	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/23/68 1850	5001	3	9.8 91	53.6F 12.0C	-- 7.7	-- 285	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH
39 D 800.7 139.4 UUTCH SLOUGH AT FARRAR PARK BRIDGE CONTINUED																				
04/23/68 2150	5001	.30 3	9.3 89	55.4F 13.0C	-- 7.0	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0100	5001		9.1 91	59.0F 15.0C	-- 7.6	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0315	5001	26.50 3	9.5 94	58.1F 14.5C	-- 7.7	-- 240	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0625	5001	1.20 3	9.1 89	57.2F 14.0C	-- 7.7	-- 265	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0920	5001	6.00 3	9.0 47	55.5F 9.1C	-- 7.6	-- 240	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 1250	5001	1.50 3	9.1 93	60.8F 16.0C	-- 7.7	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 1535	5001	2.20 3	10.2 104	60.8F 16.0C	-- 7.9	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 1835	5001	1.00 3	9.5 95	59.0F 15.0C	-- 7.9	-- 285	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 2140	5001	.10 3	9.2 93	59.9F 15.5C	-- 7.7	-- 270	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0020	5001	1.60 3	9.2 92	59.0F 15.0C	-- 7.5	-- 285	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0330	5001	2.85 3	9.3 93	59.0F 15.0C	-- 7.7	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0615	5001	1.60 3	9.2 93	59.9F 15.5C	-- 7.6	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0925	5001	.15 3	8.8 90	60.8F 16.0C	-- 7.6	-- 275	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1255	5001	2.32 3	8.5 92	66 F 19 C	-- 7.6	-- 410	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1542	5001	1.95 3	8.6 92	65.3F 18.5C	-- 7.7	-- 395	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1830	5001	.70 3	6.4 69	65.3F 18.5C	-- 7.6	-- 365	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 2125	5001	.85 3	8.0 86	65.3F 18.5C	-- 7.5	-- 355	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0045	5001		8.4 89	64 F 18 C	-- 7.7	-- 400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0345	5001	2.99 3	8.6 90	63 F 17 C	-- 7.6	-- 385	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0645	5001	1.35 3	8.2 89	66 F 19 C	-- 7.6	-- 370	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0940	5001	.45 3	7.9 86	66 F 19 C	-- 7.5	-- 340	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 1235	5001	1.67 3	8.6 93	66 F 19 C	-- 7.6	-- 370	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 1530	5001	2.35 3	9.6 105	67.1F 19.5C	-- 7.7	-- 370	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 1830	5001	1.20 3	8.4 90	65.3F 18.5C	-- 7.4	-- 350	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 2125	5001	.85 3	7.9 85	65.3F 18.5C	-- 7.5	-- 350	--	--	--	--	--	--	--	--	--	--	--	--	--	--



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DD SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN										MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	9	SiO2	TDS SUM	TH NCH						
B9 U 800.7 138.4 DUTCH SLOUGH AT FARRAR PARK BRIDGE CONTINUED																										
05/23/68 0045	5001	7.45 3	9.1 95	63 17	F C	-- 7.9	-- 400	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
05/23/68 0405	5001	3.15 3	8.7 91	63 17	F C	-- 7.8	-- 400	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
05/23/68 0630	5001	1.95 3	8.8 94	64 18	F C	-- 7.5	-- 380	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
05/23/68 1100	5001	.45 3	7.9 86	66 19	F C	-- 7.5	-- 340	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
07/17/68 1330	5006 5001	1.55 3	7.4 89	75.2 24.0	F C	-- 7.6	1140 1100	21 1.05	27 2.22	180 7.83	6.6 .17	0.0	90 1.48	58 1.21	273 7.70	--	--	--	--	610	168 94					
07/23/68 1305	5001	7.5 3	75 90	75 24	F C	-- 7.6	-- 1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
07/23/68 1525	5006 5001	7.2 3	76.1 87	24.5	F C	-- 7.6	1211 1120	--	--	--	--	--	--	276 7.80	--	--	--	--	--	--	164 164					
07/23/68 1830	5001	8.0 3	77 98	75 25	F C	-- 7.9	-- 1300	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
07/23/68 2130	5001	7.5 3	73 88	73 23	F C	-- 7.7	-- 1250	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
07/24/68 0045	5001	9.2 3	75 110	75 24	F C	-- 7.5	-- 1250	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
07/24/68 0330	5001	9.5 3	73 112	73 23	F C	-- 7.8	-- 1450	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
07/24/68 0640	5001	10.6 3	73 125	73 23	F C	-- 7.8	-- 1350	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
07/24/68 0930	5001	8.3 3	75 100	75 24	F C	-- 7.9	-- 1150	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
08/15/68 1245	5001	8.9 3	72 103	72 22	F C	-- 7.7	-- 1100	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
09/27/68 1240	5006 5001	7.6 3	70 86	70 21	F C	-- 7.9	611 600	19 .95	17 1.40	64 2.78	4.0 .10	0.0	112 1.84	30 .62	98 2.76	--	--	0.5	--	311 287	120 28					
B9 D 800.8 143.9 BIG BREAK AT BIG BREAK RESORT NR OAKLEY																										
03/27/68 1315	5001	10.3 3	63 108	63 17	F C	-- 8.0	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/27/68 1545	5001	9.9 3	66 107	66 19	F C	-- 8.1	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/27/68 1800	5001	10.6 3	66 115	66 19	F C	-- 8.2	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/27/68 2100	5001	9.7 3	60 98	60 16	F C	-- 7.9	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/28/68 0025	5001	9.4 3	58 92	58 14	F C	-- 7.8	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/28/68 0315	5001	9.5 3	58 93	58 14	F C	-- 7.8	-- 220	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/28/68 0615	5001	9.4 3	57 91	57 14	F C	-- 7.4	-- 290	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/28/68 0900	5001	9.6 3	63 100	63 17	F C	-- 7.7	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/28/68 1200	5001	10.1 3	64 107	64 18	F C	-- 7.9	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	--					

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAR SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLO	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS TM NCH					
							CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	B	SI02	SUM	TM	NCH
H9 U 800.8 143.9      BIG BREAK AT BIG BREAK RESORT NR OAKLEY      CONTINUED																					
03/28/68 1500	5001	3	10.0 104	63 17	F C	-- 7.9	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/28/68 1830	5006 5001	3	9.6 99	62 17	F C	7.6 7.9	233 260	12 .60 25	10 .82 34	21 .91 38	1.8 .05 2	0.0	90 1.48 65	2.0 .04 2	27 .76 33	--	--	--	--	151 118	73 0
03/28/68 2100	5001	3	9.8 100	61 16	F C	-- 7.8	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/29/68 0001	5001	3	9.4 95	60 16	F C	-- 7.6	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/29/68 0320	5001	3	9.2 90	58 14	F C	-- 7.7	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/29/68 0620	5001	3	9.2 91	59 15	F C	-- 7.6	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	
03/29/68 0910	5001	3	9.6 101	64 18	F C	-- 7.6	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/23/68 1300	5001	3	32.0 312	57 14	F C	-- 8.0	-- 320	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/23/68 1500	5001	3	11.3 109	56.3F 13.5C	-- C	-- 8.2	-- 320	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/23/68 1800	5001	3	10.6 101	55 13	F C	-- 8.3	-- 340	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/23/68 1810	5001	3	10.5 100	55 13	F C	-- 8.3	-- 340	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/23/68 2100	5001	3	10.7 103	56.3F 13.5C	-- C	-- 8.3	-- 340	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/24/68 0015	5001	3	9.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/24/68 0300	5001	3	9.6 93	56.3F 13.5C	-- C	-- 7.7	-- 310	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/24/68 0600	5001	3	9.2 92	59.0F 15.0C	-- C	-- 7.8	-- 325	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/24/68 0900	5001	3	9.9 101	61 16	F C	-- 7.8	-- 335	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/24/68 1220	5001	3	10.3 96	54 12	F C	-- 8.0	-- 360	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/24/68 1500	5001	3	10.1 106	63.5F 17.5C	-- C	-- 8.2	-- 350	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/24/68 1800	5001	3	10.5 111	63.5F 17.5C	-- C	-- 8.1	-- 360	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/24/68 2100	5001	3	10.5 97	52.8F 11.6C	-- C	-- 8.4	-- 410	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/25/68 0000	5001	3	9.6 97	59.9F 15.5C	-- C	-- 8.1	-- 330	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/25/68 0300	5001	3	9.5 95	59.0F 15.0C	-- C	-- 7.7	-- 340	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/25/68 0600	5001	3	9.1 81	50 10	F C	-- 7.7	-- 345	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/25/68 0900	5001	3	10.0 102	61 16	F C	-- 8.0	-- 330	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/21/68 1215	5001	3	9.3 101	66 19	F C	-- 7.9	-- 580	--	--	--	--	--	--	--	--	--	--	--	--	--	



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	L.A.H. SAMPLER	G.M. DEPTH	DO SAT	TEMP	PH LAB FLO	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS TH				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	SUM	NCH
B9 D 800.A 143.9      BIG BREAK AT BIG BREAK RESORT NR OAKLEY      CONTINUED																				
05/21/68 1505	5001	3	9.5 104	67.1F 19.5C	-- 7.8	-- 600	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/21/68 1800	5001	3	8.7 94	66 F 19 C	-- 7.7	-- 610	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/21/68 2100	5001	3	9.2 94	64 F 18 C	-- 7.9	-- 600	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/22/68 0000	5001	3	7.9 79	64 F 18 C	-- 7.8	-- 600	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/22/68 0300	5001	3	8.0 90	63 F 17 C	-- 7.7	-- 560	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/22/68 0615	5001	3	8.3 86	63 F 17 C	-- 8.0	-- 530	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/22/68 0900	5001	3	7.8 85	66 F 19 C	-- 7.6	-- 580	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/22/68 1200	5001	3	9.8 109	68 F 20 C	-- 7.7	-- 580	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/22/68 1500	5001	3	9.6 105	67.1F 19.5C	-- 8.2	-- 530	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/22/68 1800	5001	3	9.5 104	67.1F 19.5C	-- 7.8	-- 560	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/22/68 2100	5001	3	8.5 90	64 F 18 C	-- 7.8	-- 585	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/23/68 0000	5001	3	8.9 87	57 F 14 C	-- 7.9	-- 370	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/23/68 0330	5001	3	8.9 91	61 F 16 C	-- 7.5	-- 600	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/23/68 0600	5001	3	8.3 86	63 F 17 C	-- 7.9	-- 600	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/23/68 0920	5001	3	6.7 73	66 F 19 C	-- 7.5	-- 590	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/17/68 1300	5000 5001	3	7.2 86	74.3F 23.5C	-- 7.5	1770 1700	26 1.31 7	35 2.89 16	300 13.05 74	12 .32 2	0.0	69 1.13 7	80 1.66 11	456 12.86 82	--	--	--	--	210 944 154	
07/23/68 1215	5001	3	8.6 103	75 F 24 C	-- 7.9	-- 2700	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/23/68 1500	5006 5001	3	8.7 104	75 F 24 C	-- 7.8	2119 2150	30 1.53 8	46 3.83 19	330 14.36 71	14 .37 2	0.0	87 1.43 7	100 2.08 10	609 17.17 83	--	--	--	--	267 1173 196	
07/23/68 1800	5001	3	8.7 101	72.5F 22.5C	-- 7.8	-- 2000	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/23/68 2100	5001	3	7.0 82	73 F 23 C	-- 7.9	-- 2000	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/24/68 0000	5001	3	9.6 114	74.3F 23.5C	-- 7.6	-- 2100	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/24/68 0300	5001	3	8.8 103	72.5F 22.5C	-- 7.8	-- 2800	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/24/68 0600	5001	3	8.2 95	72 F 22 C	-- 7.7	-- 3100	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/24/68 0900	5001	3	8.3 98	73 F 23 C	-- 7.9	-- 3000	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/15/68 1200	5001	3	9.7 118	76.1F 24.5C	-- 8.0	-- 1300	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DO SAT	TEMP	PH LAB FLO	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO <sup>3</sup>	HCO <sup>3</sup>	SO <sup>4</sup>	CL	NO <sup>3</sup>	F	H	SiO <sup>2</sup>	TDS SUM	TM MCH	
89 D 800.8 143.9 BIG BREAK AT BIG BREAK RESORT NR OAKLEY CONTINUED																					
09/27/68 1150	5006 5001	3	7.2 83	72 22	F C	-- 7.5	718 700	19 .95 14	17 1.45 22	96 4.18 62	4.4 .11 2	-- 115 1.89 29	34 .71 11	142 4.00 61	-- -- --	-- -- --	0.5	--	300 370	120 26	
89 D 801.1 142.6 BIG BREAK NR OAKLEY																					
03/05/68 1220	5001	3	9.4 92	58 14	F C	-- 7.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/23/68 1515	5001	3	8.5 104	77 25	F C	-- 7.9	-- 1100	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/23/68 1800	5001	3	8.8 104	73 23	F C	-- 8.1	-- 1150	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/23/68 2110	5001	3	9.5 111	72.5F 22.5C	-- 8.5	-- 1390	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/24/68 0015	5001	3	9.5 111	72.5F 22.5C	-- 8.3	-- 1640	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/24/68 0320	5001	3	9.8 111	70 21	F C	-- 8.3	-- 1800	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/24/68 0615	5001	3	8.2 97	73 23	F C	-- 8.3	-- 1450	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/24/68 0910	5001	3	8.5 101	74.3F 23.5C	-- 7.9	-- 1220	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/24/68 1100	5001	3	9.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/25/68 1200	5001	3	8.4 93	68.0F 20.0C	-- 7.8	-- 570	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/25/68 1500	5001	3	8.3 93	68.9F 20.5C	-- 7.9	-- 550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
89 D 801.1 148.1 SAN JOAQUIN RIVER AT ANTIOCH																					
01/09/68 1015	5050 5050		9.1 83	52 11	F C	8.0 7.3	324 280	16 .80 24	8.5 .70 21	32 1.39 42	--	0.0	68 1.12 34	--	43 1.21 37	--	--	--	--	75 19	
01/26/68 1151	5006 5001	6.50 3	9.7 85	49 9	F C	-- 7.3	-- 320	--	--	--	--	--	--	--	--	--	.20	--	--	--	82 82
01/26/68 1152	5001	16	9.5 83	49 9	F C	-- 6.8	-- 310	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/27/68 1420	5001	3	8.6 86	59 15	F C	-- 7.1	-- 250	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/27/68 1421	5001	16		58 14	F C	--	-- 250	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/04/68 0900	5050 5050	1.21	9.3 95	61 16	F C	7.8 7.5	240 265	16 .80 33	10 .82 34	17 .74 30	--	0.0	81 1.33 55	--	21 .59 24	--	--	--	--	--	81 15
05/15/68 1105	5050 5050	.34	8.8 93	64 18	F C	7.7 7.7	1520 1490	23 1.15 7	18 1.48 9	215 9.35 61	--	0.0	79 1.30 8	--	374 10.55 69	--	--	--	--	--	182 117
06/07/68 0740	5050 5050	1.85	6.1 68	69 21	F C	7.7 7.5	1300	23 1.15 8	27 2.22 17	165 7.18 55	--	0.0	87 1.43 11	--	309 8.71 67	--	--	--	--	--	168 97
07/11/68 0900	5050 5050	.17	7.5 84	69 21	F C	7.8 7.9	5490 5000	56 2.79 5	110 9.08 16	930 40.46 73	--	0.0	88 1.44 2	--	1620 45.68 83	--	--	--	--	--	594 522
08/15/68 0930	5050 5050	1.23	7.5 85	70 21	F C	8.0 7.7	3100 2800	37 1.85 5	65 5.37 17	522 22.71 73	--	0.0	83 1.36 4	--	915 25.80 83	--	--	--	--	--	361 293
09/12/68 1100	5050 5050	.52	7.4 85	71 22	F C	8.0 7.6	2090 1800	27 1.35 6	46 3.81 18	317 13.79 65	--	--	94 1.54 7	--	551 15.54 74	--	--	--	--	--	258 181



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLE#	G.M. DEPTH	DO SAT	TEMP	PH LAB FLO	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				TDS SUM	TH NCH
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02		
B9 D 801.1 148.8 SAN JOAQUIN RIVER BY ANTIOCH																				
10/04/67 1055	5050 5050		7.8 87	69 21	F C	-- 8.2	257	--	--	--	--	--	--	28 .79 30	--	--	--	--	158	--
12/04/67 1210	5050 5050		8.7 82	55 13	F C	-- 7.3	543	--	--	--	--	--	--	42 1.18 21	--	--	--	--	276	--
02/15/68 1130	5050 5050		9.3 86	53 12	F C	-- 7.6	321	--	--	--	--	--	--	35 .99 30	--	--	--	--	209	--
04/15/68 1230	5050 5050		9.0 93	62 17	F C	-- 7.8	378	--	--	--	--	--	--	54 1.52 40	--	--	--	--	195	--
06/11/68 1125	5050 5050		8.9 94	64 18	F C	-- 7.6	1650	--	--	--	--	--	--	403 11.36 68	--	--	--	--	830	--
B9 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL																				
01/26/68 1145	5001	3	10.5 92	49 9	F C	-- 6.5	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--
02/27/68 1415	5001	3	9.0 91	60 16	F C	-- 7.1	-- 230	--	--	--	--	--	--	--	--	--	--	--	--	--
02/27/68 1416	5001	16		58 14	F C	--	-- 250	--	--	--	--	--	--	--	--	--	--	--	--	--
03/27/68 1220	5001	1.60 3	9.2 93	59.9F 15.5C	--	-- 7.7	-- 265	--	--	--	--	--	--	--	--	--	--	--	--	--
03/27/68 1500	5001	2.10 3	9.3 94	59.9F 15.5C	--	-- 7.6	-- 255	--	--	--	--	--	--	--	--	--	--	--	--	--
03/27/68 1800	5001	.10 3	9.3 93	59.0F 15.0C	--	-- 7.7	-- 245	--	--	--	--	--	--	--	--	--	--	--	--	--
03/27/68 2100	5001	.10 3	8.8 88	59.0F 15.0C	--	-- 7.2	-- 295	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 0001	5001	1.00 3	9.3 93	59.0F 15.0C	--	-- 7.6	-- 290	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 0300	5001	2.20 3	8.9 86	56.3F 13.5C	--	-- 7.6	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 0600	5001	.60 3	8.8 86	57.2F 14.0C	--	-- 7.7	-- 250	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 0900	5001	.80 3	8.6 88	60.8F 16.0C	--	-- 7.8	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 1200	5001	.40 3	8.8 91	61.7F 16.5C	--	-- 7.7	-- 275	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 1220	5001		8.8 91	61.7F 16.5C	--	-- 7.7	-- 275	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 1500	5001	1.90 3	8.8 91	61.7F 16.5C	--	-- 7.6	-- 255	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 1800	5006 5001		9.0 91	59.9F 15.5C	7.5 7.5	350 260	15 .75 29	10 .89 35	20 .87 34	2.2 .06 2	0.0	82 1.34 56	20 .42 17	23 .65 27	--	--	--	--	134 131	82 15
03/28/68 2110	5001	.20 3	8.7 88	59.9F 15.5C	--	-- 7.6	-- 250	--	--	--	--	--	--	--	--	--	--	--	--	--
03/29/68 0001	5001		9.0 90	59.3F 15.2C	--	-- 7.3	-- 270	--	--	--	--	--	--	--	--	--	--	--	--	--
03/29/68 0300	5001	2.20 3	8.8 88	59.3F 15.2C	--	-- 7.3	-- 265	--	--	--	--	--	--	--	--	--	--	--	--	--
03/29/68 0600	5001		9.1 91	59.0F 15.0C	--	-- 7.3	-- 250	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER TDS TH NCH					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	SUM	TH
09 U 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL CONTINUED																				
03/23/68 0900	5001	.70 3	8.7 89	61.4F 16.0C	-- 7.7	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/68 1305	5001	10.0 3	103 103	62 F 17 C	-- 7.4	-- 900	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/68 1530	5001	1.3 97	63 97	63 F 17 C	-- 7.5	-- 800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/68 1830	5001	9.9 3	63 94	63 F 17 C	-- 7.6	-- 530	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/68 2120	5001	9.1 92	63 92	63 F 16 C	-- 7.7	-- 425	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0050	5001	9.2 3	60 93	60 F 16 C	-- 7.5	-- 800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0320	5001	9.4 95	60 95	60 F 16 C	-- 7.8	-- 1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0600	5001	9.3 94	60 94	60 F 16 C	-- 7.7	-- 750	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0905	5001	9.5 97	61 97	61 F 16 C	-- 7.7	-- 500	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 1250	5001	9.1 94	62 94	62 F 17 C	-- 7.7	-- 800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 1520	5001	9.2 96	63 96	63 F 17 C	-- 7.7	-- 850	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 1820	5001	9.2 95	62 95	62 F 17 C	-- 7.6	-- 750	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 2130	5001	9.2 97	64 97	64 F 18 C	-- 7.8	-- 525	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0045	5001	9.2 3	62 95	62 F 17 C	-- 7.5	-- 850	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0315	5001	9.2 3	60 93	60 F 16 C	-- 7.6	-- 1300	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0545	5001	9.2 3	60 93	60 F 16 C	-- 7.6	-- 750	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0905	5001	9.2 3	61 94	61 F 16 C	-- 7.7	-- 550	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1225	5001	9.0 3	66 98	66 F 19 C	-- 7.6	-- 1700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1510	5001	8.8 3	66 96	66 F 19 C	-- 7.8	-- 1600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1755	5001	8.3 3	66 90	66 F 19 C	-- 7.8	-- 1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 2110	5001	8.4 3	66 91	66 F 19 C	-- 7.8	-- 1050	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0000	5006 5001	8.3 3	63 86	63 F 17 C	-- 7.7	2100 2000	--	--	--	--	--	--	475 13.40 63	--	--	--	13	--	--	--
05/22/68 0315	5001	64 3	64 18	64 F 18 C	-- 7.8	-- 2900	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0600	5001	8.2 3	64 87	64 F 18 C	-- 7.7	-- 2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0900	5001	64 3	64 18	64 F 18 C	-- 7.7	-- 1800	--	--	--	--	--	--	--	--	--	--	--	--	--	--



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAH SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TDS SUM	TH NCH	
89 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL CONTINUED																					
05/22/68 121 <sup>5</sup>	5001	3	8.1 88	66 19	F C	-- 7.5	-- 1500	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 1500	5001	3	8.6 93	66 19	F C	-- 7.5	-- 1790	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 1835	5001	3	8.6 93	66 19	F C	-- 7.5	-- 1300	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 212 <sup>5</sup>	5001	3	8.7 94	66 19	F C	-- 7.8	-- 1050	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/23/68 0000	5001	3	8.2 89	66 19	F C	-- 7.8	-- 1800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/23/68 0300	5001	3	8.6 90	63 17	F C	-- 7.8	-- 2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/23/68 0540	5001	3	8.6 90	63 17	F C	-- 7.6	-- 1700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/23/68 0830	5001	3	8.6 90	63 17	F C	-- 7.6	-- 1200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/10/68 1245	5001	3	8.0 89	68 20	F C	-- 7.8	-- 950	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/17/68 1130	5006 5001	3	8.8 100	70 21	F C	-- 7.8	3870 3700	38 1.92	80 5.81	640 27.84	33 .84	0.0	90 1.48	120 2.50	1045 29.47	--	--	--	--	2146 2001	426 352
07/17/68 1200	5006 5001	3	7.1 85	75 24	F C	-- 7.3	4750	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/14/68 1030	5001	3	7.6 84	68 20	F C	-- 7.9	-- 3750	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/26/68 1000	5006 5001	3	7.5 82	67.1F 19.5C		-- 7.8	2630 2600	25 1.25	60 4.98	400 17.40	18 .46	0.0	113 1.85	150 3.12	700 19.74	--	--	0.5	--	1533 1409	311 219
89 D 801.4 143.5 BIG BREAK AT DUTCH SLOUGH MOUTH																					
03/05/68 1315	5001	3	9.3 91	58 14	F C	-- 7.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
89 D 801.5 145.0 SAN JOAQUIN R. AT ANTIOCH BRIDGE (COUNTY LINE)																					
02/08/68 1022	5006 5001	3	10.0 89	50 10	F C	-- 7.0	-- 280	--	--	--	--	--	--	--	--	--	--	0.00	--	--	--
89 D 801.6 145.2 SAN JOAQUIN R. AT ANTIOCH BRIDGE (AT LIGHT 12)																					
01/26/68 1230	5006 5001	6.50 3	9.9 88	50 10	F C	-- 7.1	-- 260	--	--	--	--	--	--	--	--	--	--	0.2	--	--	--
01/26/68 1231	5001	16	9.5 84	50 10	F C	-- 7.1	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/08/68 1012	5006 5001	3	9.8 87	50 10	F C	-- 7.1	-- 290	--	--	--	--	--	--	--	--	--	--	.29	--	--	--
02/08/68 1013	5001	16	10.1 89	50 10	F C	-- 7.0	-- 290	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/27/68 1435	5001	3	8.9 89	59 15	F C	-- 7.2	-- 250	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/27/68 1436	5001	16		59 15	F C	--	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/27/68 1250	5001	3	9.7 97	59 15	F C	-- 7.8	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLE#	G.M. DEPTH	DO SAT	TEMP	PH LAB FLO	EC LAB FLD	MINERAL CONSTITUENTS IN										MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS TH NCH				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	SUM	TH	NCH					
B9 U 801.6 145.2 SAN JOAQUIN R. AT ANTIPOCH BRIDGE (AT LIGHT 12) CONTINUED																										
03/27/68 1545	5001	3	9.0 102	70 21	F C	-- 7.8	-- 220	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/27/68 1825	5001	3	9.7 97	59 15	F C	-- 7.7	-- 245	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/27/68 2120	5001	3	9.5 93	57 14	F C	-- 7.6	-- 220	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/28/68 0005	5001	3	9.7 95	57 14	F C	-- 8.0	-- 235	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/28/68 0320	5001	3	8.8 86	57 14	F C	-- 7.9	-- 240	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/28/68 0620	5001	3	8.9 87	57 14	F C	-- 7.9	-- 250	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/28/68 0920	5001	3	9.5 95	59 15	F C	-- 7.7	-- 245	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/28/68 1225	5001	3	9.6 99	61.7F 16.5C	F C	-- 7.8	-- 240	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/28/68 1520	5001	3	9.0 91	59.9F 15.5C	F C	-- 7.6	-- 245	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/28/68 1830	5006 5001	3	9.3 95	60.8F 16.0C	F C	7.4 7.6	230 245	13 .66 29	9.2 .76 33	18 .80 35	1.8 .05 2	0.0	83 1.36 64	4.0 .08 4	24 .68 32	--	--	--	--	197 111	71 3					
03/28/68 2100	5001	3	9.5 95	59 15	F C	-- 7.7	-- 225	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/29/68 0030	5001	3	9.5 95	59.0F 15.0C	F C	-- 7.8	-- 240	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/29/68 0330	5001	3	9.0 90	59 15	F C	-- 7.6	-- 245	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/29/68 0630	5001	3	8.9 88	58.1F 14.5C	F C	-- 7.7	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
03/29/68 0920	5001	3	9.3 94	59.7F 15.4C	F C	-- 7.8	-- 250	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
04/23/68 1330	5001	3	9.5 95	62 17	F C	-- 7.6	-- 600	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
04/23/68 1545	5001	3	9.5 96	60 16	F C	-- 7.7	-- 600	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
04/23/68 1845	5001	3	9.8 99	60 16	F C	-- 7.8	-- 330	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
04/23/68 2140	5001	3	9.7 98	60 16	F C	-- 7.9	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
04/24/68 0110	5001	3	9.2 95	62 17	F C	-- 7.6	-- 600	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
04/24/68 0345	5001	3	9.0 92	61 16	F C	-- 7.5	-- 700	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
04/24/68 0625	5001	3	9.3 95	61 16	F C	-- 7.7	-- 480	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
04/24/68 0920	5001	3	10.0 101	60 16	F C	-- 7.8	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
04/24/68 1310	5001	3	9.3 96	62 17	F C	-- 7.7	-- 450	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
04/24/68 1535	5001	3	9.2 96	63 17	F C	-- 7.8	-- 700	--	--	--	--	--	--	--	--	--	--	--	--	--	--					



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLE	G.M. DEPTH	NO SAT	TEMP	PH L49 FLD	EC L48 FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	B	SiO2	TDS SUM	TH NCH
49 D 801.6 145.2 SAN JOAQUIN R. AT ANTIOCH BRIDGE (AT LIGHT 12) CONTINUED																				
04/24/68 1855	5001	3	9.0 97	61 10	F C	-- 7.8	-- 450	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 2150	5101	3	9.4 96	61 10	F C	-- 7.9	-- 320	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0110	5001	3	9.2 95	62 17	F C	-- 7.6	-- 200	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0345	5001	3	9.2 95	62 17	F C	-- 7.9	-- 900	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0610	5001	3	9.0 92	61 16	F C	-- 7.8	-- 600	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0925	5001	3	9.0 97	60 16	F C	-- 7.7	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1245	5001	3	10.2 111	60 19	F C	-- 7.7	-- 1120	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1525	5001	3	9.5 93	60 19	F C	-- 7.7	-- 1200	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1815	5001	3	9.7 94	66 19	F C	-- 7.9	-- 845	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 2120	5001	3	9.8 95	65.3F 18.5C	F C	-- 7.8	-- 580	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0030	5001	3	9.3 85	61 16	F C	-- 7.8	-- 1450	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0335	5001	3	8.3 17	63 17	F C	-- 7.7	-- 1700	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0615	5101	3	8.3 88	64 18	F C	-- 7.9	-- 1600	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0915	5001	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 1230	5001	3	8.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 1540	5001	3	8.4 92	67.1F 19.5C	F C	-- 7.5	-- 1120	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 1855	5001	3	8.6 95	68 20	F C	-- 7.7	-- 800	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 2140	5001	3	8.8 96	66 19	F C	-- 7.8	-- 620	--	--	--	--	--	--	--	--	--	--	--	--	--
05/23/68 0015	5001	3	8.6 90	63 17	F C	-- 7.8	-- 1050	--	--	--	--	--	--	--	--	--	--	--	--	--
05/23/68 0315	5001	3	8.2 85	63 17	F C	-- 7.8	-- 1520	--	--	--	--	--	--	--	--	--	--	--	--	--
05/23/68 0610	5001	3	8.2 85	63 17	F C	-- 7.6	-- 1300	--	--	--	--	--	--	--	--	--	--	--	--	--
05/23/68 0850	5001	3	8.2 85	63 17	F C	-- 7.6	-- 775	--	--	--	--	--	--	--	--	--	--	--	--	--
06/17/68 1155	5006 5001	3	8.6 97	70 21	F C	-- 7.8	2010 2100	28 1.40 8	14 1.17 6	350 15.23 94	14 .36 2	0.0	90 1.48 8	80 1.66 9	540 15.23 83	--	--	--	1117 1070	251 177
07/17/68 1220	5006 5001	3	7.4 88	74.3F 23.5C	F C	-- 7.4	3120	--	--	--	--	--	--	--	--	--	--	--	18	--
08/14/68 1050	5001	3	8.0 89	68 20	F C	-- 7.9	-- 2200	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SiO2	TDS	IM
89 D 801.6 145.2 SAN JOAQUIN R. AT ANTIUCH BRIDGE (AT LIGHT 12) CONTINUED																				
09/26/68 1020	5006 5001	3		7.3 68.0F 81 20.0C	-- 7.6	2629 1720	27 1.35	39 3.24	260 11.71	11 .28	-- 1.84	112 12	60 8	440 12.41	-- 8	-- 80	0.5	--	981 893	229 137
89 D 801.7 144.3 SAN JOAQUIN R. AT LIGHT 17 NEAR CURTIS LANDING																				
05/21/68 2225	5001			-- --	-- --	600	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
05/22/68 2015	5001	3		9.0 66 F 98 19 C	-- 7.6	-- 540	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
06/10/68 1315	5001	3		8.6 68 F 95 20 C	-- 7.9	-- 560	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
89 D 801.8 143.7 SAN JOAQUIN RIVER ABOVE DUTCH SLOUGH																				
05/21/68 1920	5001			-- --	-- --	500	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
05/23/68 0900	5001			8.8 64 F 94 18 C	-- 7.5	-- 520	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
05/23/68 1000	5001			8.7 63 F 91 17 C	-- 7.8	-- 520	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
89 D 801.8 144.0 SAN JOAQUIN RIVER OPPOSITE DUTCH SLOUGH																				
05/21/68 2125	5001			-- --	-- --	540	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
05/22/68	5001			9.2 64 F 98 18 C	-- 7.8	-- 520	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
06/10/68 1515	5001	3		8.5 68 F 94 20 C	-- 8.0	-- 550	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
06/11/68 0007	5001	3		8.2 68 F 91 21 C	-- 7.8	-- 980	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
89 D 801.9 143.2 SAN JOAQUIN RIVER AT BLIND POINT																				
05/21/68 1820	5001			-- --	-- --	520	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
06/10/68 2200	5001	3		8.9 68 F 99 20 C	-- 7.8	-- 950	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
09/12/68 1130	5050 5050			-- --	-- --	943	-- --	-- --	-- --	-- --	-- --	-- --	191 5.39 57	-- --	-- --	-- --	-- --	-- --	-- --	-- --
09/17/68 1200	5050 5050			-- --	-- --	579	-- --	-- --	-- --	-- --	-- --	-- --	95 2.68 46	-- --	-- --	-- --	-- --	-- --	-- --	-- --
89 D 801.9 151.4 NEW YORK SLOUGH NEAR PITTSBURG POINT																				
09/26/68 0940	5006 5001	3		7.9 66 F 86 19 C	-- 7.8	-- 3500	-- --	-- --	-- --	-- --	-- --	-- --	1000 28.20	-- --	-- --	0.5	-- --	-- --	-- --	-- --
89 D 802.0 142.8 SAN JOAQUIN RIVER ABOVE BLIND POINT																				
06/11/68 0945	5001	3		8.4 68 F 93 20 C	-- 7.7	-- 950	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS TH					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	S	SiO2	SUM	NCH	
89 U 802.1 142.5 SAN JOAQUIN RIVER AT LIGHT 19																					
06/10/68 1825	5001	3	8.9 99	68 20	F C	-- 8.0	-- 930	--	--	--	--	--	--	--	--	--	--	--	--	--	--
89 U 802.6 136.8 FRANKS TRACT NEAR RUSSOS LANDING																					
04/23/68 1455	5001	3	9.9 94	55 13	F C	-- 6.6	-- 240	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/68 1720	5001	3	10.1 94	54 12	F C	-- 7.2	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/68 1955	5001	3	10.3 95	52.7 11.5	F C	-- 7.8	-- 220	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/68 2225	5001	3	9.5 86	51.8 11.0	F C	-- 7.9	-- 220	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0145	5001	3	9.8 94	56.3 13.5	F C	-- 7.7	-- 215	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0345	5001	3	9.6 93	56.3 13.5	F C	-- 7.8	-- 220	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0655	5001	3	9.6 94	57.2 14.0	F C	-- 7.7	-- 205	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0945	5001	3	9.9 101	61 16	F C	-- 7.7	-- 210	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 1315	5001	3	9.9 104	63.5 17.5	F C	-- 8.0	-- 230	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 1600	5001	3	9.8 100	60.8 16.0	F C	-- 8.1	-- 240	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 1910	5001	3	9.9 99	59.0 15.0	F C	-- 8.1	-- 240	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 2230	5001	3	9.6 96	59.0 15.0	F C	-- 7.8	-- 210	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0045	5001	3	9.7 96	58.1 14.5	F C	-- 7.5	-- 230	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0355	5001	3	9.5 93	57.2 14.0	F C	-- 7.7	-- 230	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0635	5001	3	9.8 96	57.2 14.0	F C	-- 7.7	-- 230	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0950	5001	3	9.8 99	54.9 15.5	F C	-- 7.8	-- 245	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1330	5001	3	8.8 96	66 19	F C	-- 7.6	-- 310	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1605	5001	3	8.8 96	66 19	F C	-- 7.6	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1905	5001	3	8.9 94	63.5 17.5	F C	-- 7.8	-- 305	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 2150	5001	3	9.0 94	63 17	F C	-- 7.5	-- 305	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0130	5001	3	8.4 89	64.4 14.0	F C	-- 7.6	-- 295	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0415	5001	3	8.4 88	63.5 17.5	F C	-- 7.7	-- 335	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0715	5001	3	8.2 86	63.5 17.5	F C	-- 7.7	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAH SAMPLER	G.H. DEPTH	NO SAT	TEMP	PH LAH FLD	EC LAH FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	S	SiO2	TDS SUM	TH NGH	
H9 D 802.6 136.8 FRANKS TRACT NEAR RUSSOS LANDING CONTINUED																					
05/22/68 101 <sup>S</sup>	5001	3	9.0 98	66.2F 19.0C	-- 7.8	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/22/68 1315	5001	3	8.6 92	65.3F 18.5C	-- 7.6	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/22/68 1550	5001	3	8.7 94	66 F 19 C	-- 7.6	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/22/68 1855	5001	3	9.0 97	65.3F 18.5C	-- 7.7	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/22/68 2150	5001	3	9.4 98	63 F 17 C	-- 7.9	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/23/68 010 <sup>S</sup>	5001	3	8.8 90	61 F 16 C	-- 7.9	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/23/68 0515	5001	3	8.6 86	59 F 15 C	-- 7.6	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/23/68 0645	5001	3	8.5 89	63 F 17 C	-- 7.6	-- 290	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/23/68 1140	5001	3	8.6 93	66 F 19 C	-- 7.9	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/17/68 1615	5006 5001	3	8.0 96	75.2F 24.0C	-- 7.9	890 800	17 .85 10	20 1.64 19	140 6.09 70	6.6 .17 2	0.0	81 1.33 17	41 .85 11	206 5.81 73	--	--	--	--	--	470	131 65
07/23/68 1340	5001	3	8.6 103	75 F 24 C	-- 7.6	-- 890	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/23/68 1545	5006 5001	3	8.5 102	75 F 24 C	-- 7.4	1017 900	19 .98 11	21 1.75 21	130 5.66 66	5.6 .14 2	0.0	80 1.31 16	43 .89 11	215 6.08 73	--	--	--	--	--	475	136 71
07/23/68 1850	5001	3	8.4 99	73 F 23 C	-- 7.7	-- 970	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/23/68 2150	5001	3	8.5 96	70 F 21 C	-- 7.9	-- 920	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/24/68 011 <sup>S</sup>	5001	3	10.0 122	77 F 25 C	-- 7.8	-- 925	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/24/68 0410	5001	3	9.2 104	70 F 21 C	-- 7.9	-- 900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/24/68 0715	5001	3	10.2 115	70 F 21 C	-- 7.8	-- 1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
07/24/68 1000	5001	3	8.8 104	73 F 23 C	-- 7.8	-- 900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/14/68 1235	5001	3	9.0 100	68 F 20 C	-- 7.8	-- 700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/26/68 1210	5006 5001	3	8.9 100	68.9F 20.5C	-- 7.9	371 350	15 .77 20	11 .98 26	45 1.96 52	2.0 .05 1	0.0	115 1.89 48	21 .44 11	57 1.61 41	--	--	0.5	--	--	253 209	87 0
H9 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT																					
10/17/67 1300	5001		10.0 109	66 F 19 C	-- 7.5	-- 187	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/17/67 1545	5001		9.9 108	66 F 19 C	-- 7.6	-- 181	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/17/67 1840	5001		9.0 98	66 F 19 C	-- 7.7	-- 190	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/17/67 2145	5001		9.7 104	65.3F 18.5C	-- 184	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLE	G.M. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS SUM	TH NCH	
SAN JOAQUIN RIVER AT JERSEY POINT																					
CONTINUED																					
10/18/67	5001			9.5	64	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0100				101	18	C	7.6	184													
10/18/67	5001			9.6	65.3	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0335				103	18.5	C	6.9	181													
10/18/67	5001			9.7	64	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0730				103	18	C	7.4	184													
10/18/67	5001			9.3	65.3	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0925				100	14.5	C	7.2	187													
10/18/67	5001			9.4	65.3	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1245				101	14.5	C	7.3	193													
10/18/67	5001			9.7	67.1	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1545				106	17.5	C	7.5	184													
10/18/67	5001			9.3	66	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1840				101	19	C	7.6	197													
10/18/67	5001			9.5	64	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2145				101	18	C		181													
10/19/67	5001			9.5	65.3	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0030				102	14.5	C	7.5	184													
10/19/67	5001			9.2	64	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0340				98	14	C	7.5	183													
10/19/67	5001			9.7	64	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0625				103	18	C	7.5	186													
10/19/67	5001			9.9	64	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0940				95	18	C	7.8	186													
02/08/68	5006			10.0	53	F	--	--	--	--	--	--	--	--	--	--	0.0	--	--	--	--
1043	5001	3		94	10	C	7.0	300													
02/08/68	5001	16		10.5	50	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1044				93	10	C	7.0	300													
02/08/68	5006			10.4	50	F	--	--	--	--	--	--	--	--	--	--	.00	--	--	--	--
1050	5001	3		92	10	C	7.0	300													
02/27/68	5001	3		9.6	58	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1450				94	14	C	7.1	250													
02/27/68	5001	16			58	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1451					14	C		260													
03/27/68	5001	3		9.7	64	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1410				109	21	C	8.0	240													
03/27/68	5001	3		9.7	62	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1630				100	17	C	8.0	230													
03/27/68	5001	3		9.3	58	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1900				91	14	C	7.8	210													
03/27/68	5001	3		10.0	60	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2145				101	16	C	8.0	245													
03/28/68	5001	3		10.0	57	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0115				97	14	C	7.2	240													
03/28/68	5001	3		10.0	56	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0400				96	13	C	7.8	225													
03/28/68	5001	3		10.0	57	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0700				97	14	C	7.8	240													
03/28/68	5001	3		9.9	61	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0945				100	16	C	7.8	230													

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLE#	G.M. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	S	SiO2	TDS SUM	TH NCH	
							89 U 803.1 141.3				SAN JOAQUIN RIVER AT JERSEY POINT				CONTINUED						
03/28/68 1250	5001	3	9.8 100	61 16	F C	-- 7.9	-- 230	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 1600	5001	3	9.9 102	62 17	F C	-- 7.8	-- 220	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 1920	5006 5001	3	9.6 99	60 16	F C	7.5 7.8	446 240	12 .63 23	16 1.34 49	16 .70 26	1.6 .04 1	0.0	73 1.20 50	19 .40 17	29 .82 34	--	--	--	--	127 130	98 38
03/28/68 2200	5001	3	9.6 95	59 15	F C	-- 7.9	-- 230	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/29/68 0050	5001	3	9.8 96	58 14	F C	-- 7.7	-- 210	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/29/68 0400	5001	3	9.7 95	58 14	F C	-- 7.6	-- 240	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/29/68 0705	5001	3	9.4 95	60 16	F C	-- 7.8	-- 250	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/29/68 0945	5001	3	10.0 105	63 17	F C	-- 7.7	-- 220	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/68 1350	5001	3	10.4 105	60 16	F C	-- 7.5	-- 290	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/68 1605	5001	3	9.8 100	61 16	F C	-- 7.9	-- 290	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/68 1905	5001	3	9.7 95	58 14	F C	-- 7.5	-- 200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/68 2200	5001	3	9.8 98	59 15	F C	-- 7.8	-- 210	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0130	5001	3	9.7 98	60 16	F C	-- 7.8	-- 290	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0415	5001	3	9.5 97	61 16	F C	-- 7.6	-- 390	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0645	5001	3	9.8 97	59 15	F C	-- 7.7	-- 240	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0935	5001	3	10.1 101	59 15	F C	-- 7.7	-- 210	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 1325	5001	3	9.8 100	61 16	F C	-- 7.8	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 1555	5001	3	9.7 101	63 17	F C	-- 7.9	-- 350	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 1855	5001	3	10.0 102	61 16	F C	-- 7.9	-- 230	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 2210	5001	3	9.7 97	59 15	F C	-- 7.9	-- 210	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0135	5001	3	9.4 96	61 16	F C	-- 7.7	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0405	5001	3	9.6 98	61 16	F C	-- 7.8	-- 410	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0630	5001	3	9.7 99	61 16	F C	-- 7.7	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0945	5001	3	9.4 100	61 16	F C	-- 7.8	-- 210	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1310	5001	3	9.2 100	66 19	F C	-- 7.8	-- 500	--	--	--	--	--	--	--	--	--	--	--	--	--	--



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLE	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH	
89 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT CONTINUED																					
05/21/68 1550	5001	3	7.2 100	66 19	F C	-- 7.7	-- 500	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1830	5001	3	8.8 95	65.3F 16.5C	-- C	-- 7.8	-- 360	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 2145	5001	3	8.3 85	63 17	F C	-- 7.8	-- 310	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0100	5001	3	8.5 84	63 17	F C	-- 7.8	-- 800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0400	5001	3		64 18	F C	-- 7.8	-- 1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0645	5001	3	8.7 83	64 14	F C	-- 7.7	-- 440	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0950	5001	3		64 18	F C	-- 7.7	-- 400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 1225	5001	3	8.8 96	66 19	F C	-- 7.7	-- 370	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 1615	5001	3	8.8 96	66 19	F C	-- 7.7	-- 530	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 1925	5001	3	9.0 98	66 19	F C	-- 7.7	-- 330	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 2200	5001	3	8.8 96	66 19	F C	-- 7.7	-- 330	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/23/68 0045	5001	3	8.8 94	64 14	F C	-- 7.8	-- 470	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/23/68 0345	5001	3	8.4 87	63 17	F C	-- 7.8	-- 1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/23/68 0625	5001		8.8 92	63 17	F C	-- 7.4	-- 500	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/23/68 0915	5001	3	8.7 91	63 17	F C	-- 7.6	-- 350	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/10/68 1345	5001	3	8.2 91	68 20	F C	-- 7.8	-- 400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/10/68 1530	5001	3	8.9 99	68 20	F C	-- 7.8	-- 460	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/10/68 1705	5001	3	8.6 95	68 20	F C	-- 7.9	-- 540	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/10/68 1900	5001	3	8.7 96	68 20	F C	-- 7.9	-- 800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/10/68 2015	5001	3	8.6 95	68 20	F C	-- 7.7	-- 800	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/10/68 2215	5001	3	8.3 92	68 20	F C	-- 7.7	-- 560	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/11/68 0050	5001	3	8.3 92	68 20	F C	-- 7.7	-- 650	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/11/68 0340	5001	3	7.8 86	68 20	F C	-- 7.6	-- 1450	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/11/68 0615	5001	3	7.7 84	66 19	F C	-- 7.7	-- 1775	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/11/68 0845	5001	3	8.1 88	66 19	F C	-- 7.7	-- 750	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER							
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS SUM	TM NCH		
89 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT CONTINUED																						
06/11/68 1005	5001	3	8.3 92	68 20	F C	-- 7.7	-- 570	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/17/68 1220	5006 5001	3	8.6 97	77 21	F C	-- 7.8	840 855	19 .96	20 1.66	122 5.31	6.0 .15	--	92 1.51	35 .73	178 5.03	--	--	--	--	425 426	131 56	
07/17/68 1245	5006 5001	3	8.4 101	75 24	F C	-- 7.7	1310	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/14/68 1110	5001	3	8.8 98	68 20	F C	-- 7.8	-- 1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/26/68 1040	5000 5001	3	8.0 89	68.0 20.0	F C	-- 7.8	718 700	19 .95	23 1.89	65 2.83	4.3 .11	--	115 1.89	30 .62	122 3.44	--	--	.73	--	398 320	142 48	
89 D 803.7 136.1 FALSE RIVER AT WEMB PUMP																						
02/08/68 1213	5001	3	10.9 95	49 9	F C	-- 7.1	-- 290	--	--	--	--	--	--	--	--	--	--	--	.26	--	--	--
02/08/68 1214	5001	16	10.5 92	49 9	F C	-- 6.9	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/08/68 1215	5001	10		49 9	F C	-- --	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/08/68 1221	5001	3		--	--	--	300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/08/68 1223	5001	16		--	--	--	330	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/27/68 1540	5001	3	8.8 87	58 14	F C	-- 7.1	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/27/68 1541	5001	16		58 14	F C	-- --	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/20/68 1415	5001	3	8.8 94	64.4 18.0	F C	-- 7.8	-- 320	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/17/68 1400	5006 5001	3	8.6 99	72 22	F C	-- 7.7	340 345	15 .79	13 1.07	36 1.57	0.6 .02	0.0	90 1.48	25 .52	42 1.20	--	--	--	--	187 177	98 24	
07/17/68 1355	5006 5001	3	8.4 99	73 23	F C	-- 7.4	840 840	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/14/68 1215	5001	3	8.6 95	68 20	F C	-- 7.7	-- 700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/26/68 1150	5006 5001	3	8.4 93	68.0 20.0	F C	-- 7.7	371 350	17 .85	13 1.12	45 1.96	3.0 .08	0.0	112 1.84	24 .50	59 1.66	--	--	0.5	--	284 217	98 6	
89 D 804.3 140.6 SAN JOAQUIN RIVER ABOVE LIGHT 26																						
06/10/68 1920	5001	3	7.8 86	68 20	F C	-- 7.8	-- 560	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/11/68 0130	5001	3	8.4 93	68 20	F C	-- 7.6	-- 580	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
89 D 804.4 134.2 OLD RIVER AT MOUTH																						
02/08/68 1159	5006 5001	3	10.4 91	49 9	F C	-- 7.0	-- 300	--	--	--	--	--	--	--	--	--	--	--	.25	--	--	--
02/08/68 1200	5001	16		48 9	F C	-- --	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
02/27/68 1525	5001	3	8.7 86	58 14	F C	-- 7.2	-- 250	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLE#	G.M. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS TH					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	SUM	TH	NCH
89 D 804.4 134.2 OLD RIVER AT MOUTH							CONTINUED														
02/27/68 1526	5001	16		58 F 14 C	-- --	-- 240	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/20/68 1400	5001	3	8.6 92	65.3F 18.5C	-- 7.5	-- 380	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/17/68 1335	5006 5001	3	8.1 93	72 F 22 C	-- 7.8	280 280	15 .79 31	10 .90 35	19 .83 33	0.6 .02 1	0.0	88 1.44 54	21 .44 16	28 .80 30	--	--	--	--	152 139	82 10	--
07/17/68 1340	5006 5001	3	8.5 102	75 F 24 C	-- 7.7	340 340	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/14/68 1155	5001	3	8.5 94	68 F 20 C	-- 7.8	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/26/68 1135	5006 5001	3	8.0 89	68.0F 20.0C	-- 7.7	269 260	16 .80 26	14 1.17 39	23 1.00 33	2.0 .05 2	--	108 1.77 65	14 .29 11	23 .65 24	--	--	0.5	--	195 146	98 10	--
89 D 804.6 140.7 SAN JOAQUIN RIVER AT BRADFORD ISLAND																					
06/10/68 2110	5001	3	8.4 93	68 F 20 C	-- 7.7	-- 540	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/11/68 0915	5001	3	8.6 93	66 F 19 C	-- 7.8	-- 580	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
89 D 804.7 134.1 SAN JOAQUIN RIVER AT OLD RIVER																					
02/08/68 1149	5006 5001	3	10.6 91	48 F 9 C	-- 7.1	-- 270	--	--	--	--	--	--	--	--	--	--	--	.25	--	--	--
02/08/68 1150	5001	16	10.8 93	48 F 9 C	-- 7.0	-- 270	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
89 D 805.1 144.3 SACRAMENTO RIVER AT EMMATON																					
10/17/67 1200	5001	3	9.5 104	67.1F 19.5C	-- 7.5	-- 170	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/17/67 1500	5001	3	9.1 100	67.1F 19.5C	-- 7.6	-- 167	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/17/67 1800	5001	3	9.5 103	66.2F 19.0C	-- 7.7	-- 184	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/17/67 2100	5001	3	9.7 103	64.4F 18.0C	-- --	-- 165	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/67 0000	5001	3	9.0 94	62.6F 17.0C	-- 7.5	-- 160	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/67 0300	5001	3	8.6 91	63.5F 17.5C	-- 7.3	-- 167	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/67 0650	5001	3	8.5 87	62.6F 17.0C	-- 8.2	-- 181	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/67 0900	5001	3	8.6 91	63.5F 17.5C	-- 7.3	-- 166	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/67 1200	5001	3	9.0 96	64.4F 18.0C	-- 7.4	-- 165	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/67 1500	5001	3	8.9 97	66.2F 19.0C	-- 7.4	-- 167	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/67 1800	5001	3	9.8 95	65.3F 18.5C	-- 7.4	-- 181	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/18/67 2100	5001	3	8.6 91	64.4F 18.0C	-- --	-- 167	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAT SAMPLER	G.M. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAH FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM
							M9 D 805.1 144.3				SACRAMENTO RIVER AT EMMATON				CONTINUED				
10/19/67 0000	5001	3	9.0 96	64.4F 14.0C	-- 8.2	-- 158	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/67 0300	5001	3	8.7 92	63.5F 17.5C	-- 7.6	-- 165	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/67 0600	5001	3	9.1 96	63.5F 17.5C	-- 7.8	-- 167	--	--	--	--	--	--	--	--	--	--	--	--	--
10/19/67 0900	5001	3	8.8 93	63.5F 17.5C	-- 7.0	-- 170	--	--	--	--	--	--	--	--	--	--	--	--	--
01/11/68 1208	5001	3	11.0 87	42 F 6 C	-- 7.2	-- 250	--	--	--	--	--	--	--	--	--	--	--	--	--
02/26/68 1355	5001	3	9.3 90	57 F 14 C	-- 7.1	-- 165	--	--	--	--	--	--	--	--	--	--	--	--	--
02/26/68 1356	5001	16	9.4 91	57 F 14 C	-- 7.1	-- 165	--	--	--	--	--	--	--	--	--	--	--	--	--
03/27/68 1330	5001	3	9.9 99	59 F 15 C	-- 7.7	-- 210	--	--	--	--	--	--	--	--	--	--	--	--	--
03/27/68 1610	5001	3	4.40 3	4.8 99	59.9F 15.5C	-- 7.8	-- 205	--	--	--	--	--	--	--	--	--	--	--	--
03/27/68 1855	5001	3	3.00 3	10.0 97	57 F 14 C	-- 7.9	-- 205	--	--	--	--	--	--	--	--	--	--	--	--
03/27/68 2145	5001	3	2.10 3	9.8 92	54.5F 12.5C	-- 8.0	-- 210	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 0120	5001	3	5.40 3	10.5 101	56.3F 13.5C	-- 8.0	-- 220	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 0355	5001	3	5.60 3	10.0 96	56.3F 13.5C	-- 7.9	-- 220	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 0645	5001	3	1.30 3	10.0 96	56.3F 13.5C	-- 7.4	-- 220	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 0945	5001	3	2.20 3	9.6 96	59 F 15 C	-- 7.9	-- 235	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 1255	5001	3	9.5 97	61 F 16 C	-- 7.7	-- 230	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 1540	5001	3	5.60 3	9.7 99	61 F 16 C	-- 7.8	-- 220	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 1910	5006 5001	3	9.8 97	58.1F 14.5C	7.6 8.0	200 220	12 .62 29	11 .93 43	13 .57 26	1.8 .05 2	0.0	79 1.30 67	14 .29 15	12 .34 18	--	--	--	127 103	78 13
03/28/68 2205	5001	3	2.20 3	9.9 98	58.1F 14.5C	-- 7.8	-- 215	--	--	--	--	--	--	--	--	--	--	--	--
03/29/68 0100	5001	3	9.5 94	58.1F 14.5C	-- 7.9	-- 215	--	--	--	--	--	--	--	--	--	--	--	--	--
03/29/68 0400	5001	3	5.60 3	9.9 98	58.1F 14.5C	-- 7.9	-- 225	--	--	--	--	--	--	--	--	--	--	--	--
03/29/68 0645	5001	3	9.9 98	58.1F 14.5C	-- 7.9	-- 225	--	--	--	--	--	--	--	--	--	--	--	--	--
03/29/68 0955	5001	3	2.10 3	9.6 96	59.3F 15.2C	-- 7.8	-- 225	--	--	--	--	--	--	--	--	--	--	--	--
04/19/68 0830	5001	3	9.8 101	62 F 17 C	-- 7.9	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1100	5001	3	8.9 97	66 F 19 C	-- 7.8	-- 270	--	--	--	--	--	--	--	--	--	--	--	--	--



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TDS SUM	TH NCH	
89 D 805.1 144.3 SACRAMENTO RIVER AT EMMATON CONTINUED																					
06/18/68 1345	5006 5001	3	9.7 97	69.9F 20.5C	-- 7.9	870 900	18 .92 11	24 2.03 25	112 4.87 60	9.2 .24 3	0.0	90 1.48 19	50 1.04 13	186 5.26 68	--	--	--	--	536 445	148 74	
07/18/68 1325	5006 5001	3	8.9 107	75 F 24 C	-- 7.6	910 800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/15/68 1135	5001	3	9.0 102	69.8F 21.0C	-- 7.9	-- 950	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/27/68 1105	5006 5001	3	8.1 89	67.1F 19.5C	-- 8.0	526 480	15 .77 16	15 1.31 27	62 2.70 56	3.2 .08 2	0.0	136 2.23 49	26 .54 12	62 1.75 39	--	--	0.5	--	291 252	104 0	
89 D 805.1 144.7 SACRAMENTO RIVER AT EMMATON (MIDCHANNEL)																					
01/11/68 1157	5001	3	10.6 85	43 F 6 C	-- 8.0	-- 220	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
01/11/68 1159	5001	16	11.2 90	43 F 6 C	-- 7.8	-- 160	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
89 D 805.2 145.0 SACRAMENTO RIVER AT TOLANDS LANDING																					
01/11/68 1155	5001	3	12.7 101	42 F 6 C	-- 7.1	-- 360	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
02/26/68 1340	5001	3	9.1 88	57 F 14 C	-- 7.1	-- 175	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
02/26/68 1341	5001	16	9.3 89	56 F 13 C	-- 7.1	-- 160	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
89 D 805.7 140.4 SAN JOAQUIN RIVER ABOVE LIGHT 28																					
06/11/68 0500	5001	3	8.5 94	68 F 20 C	-- 7.6	-- 950	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
89 D 805.8 137.7 SAN JOAQUIN RIVER AT LIGHT 34																					
06/11/68 0525	5001	3	8.4 91	66 F 19 C	-- 7.8	-- 560	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
89 D 805.8 140.1 SAN JOAQUIN RIVER AT TWITCHELL ISLAND																					
02/08/68 1102	5001	3	9.4 81	48 F 9 C	-- 7.1	-- 280	--	--	--	--	--	--	--	--	--	--	--	.00	--	--	
02/08/68 1103	5001	16	9.4 81	48 F 9 C	-- 7.0	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
02/08/68 1108	5006 5001	3	11.1 96	48 F 9 C	-- 7.1	-- 220	--	--	--	--	--	--	--	--	--	--	--	.00	--	--	
02/08/68 1110	5001	16	--	--	--	220	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
02/08/68 1112	5001	3	--	--	--	240	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
02/08/68 1113	5001	16	--	--	--	240	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
02/27/68 1505	5001	3	9.5 93	58 F 14 C	-- 7.2	-- 210	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
02/27/68 1506	5001	16	--	57 F 14 C	--	210	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/23/68 1410	5001	3	10.0 101	60 F 16 C	-- 7.8	-- 210	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/23/68 1615	5001	3	9.6 98	61 F 16 C	-- 7.8	-- 220	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLO	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	T05 SUM	TH NCH
B9 D 805.8 140.1							SAN JOAQUIN RIVER AT TWITCHELL ISLAND							CONTINUED						
04/23/68 1920	5001	3	9.7 96	59 15	F C	-- 7.9	-- 185	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/68 1921	5001	3	9.7 97	59 15	F C	-- 7.9	-- 185	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/68 2215	5001	3	9.7 97	59 15	F C	-- 7.7	-- 170	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0200	5001	3	9.9 99	59 15	F C	-- 7.8	-- 210	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0435	5001	3	9.8 98	59 15	F C	-- 7.6	-- 240	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0700	5001	3	9.9 98	59 15	F C	-- 7.7	-- 205	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 0950	5001	3	10.0 100	59 15	F C	-- 7.6	-- 155	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 1340	5001	3	9.9 101	61 16	F C	-- 7.9	-- 210	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 1610	5001	3	10.0 102	61 16	F C	-- 7.9	-- 210	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 1910	5001	3	9.9 101	61 16	F C	-- 7.9	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68 2230	5001	3	9.7 97	59 15	F C	-- 7.6	-- 175	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0200	5001	3	9.9 101	61 16	F C	-- 7.8	-- 210	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0430	5001	3	9.8 98	61 16	F C	-- 7.8	-- 250	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 0645	5001	3	9.9 99	59 15	F C	-- 7.8	-- 220	--	--	--	--	--	--	--	--	--	--	--	--	--
04/25/68 1005	5001	3	9.8 98	59 15	F C	-- 7.7	-- 190	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1320	5001	3	9.4 100	64 18	F C	-- 7.8	-- 360	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1610	5001	3	9.2 99	65.3 18.5	F C	-- 7.5	-- 380	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 2155	5001	3	7.5 80	64 18	F C	-- 7.8	-- 300	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0130	5001	3	8.9 93	63 17	F C	-- 7.9	-- 420	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0415	5001	3		64 18	F C	-- 7.8	-- 440	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 0700	5001	3	9.1 97	64 18	F C	-- 7.9	-- 400	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 1005	5001	3		64 18	F C	-- 7.7	-- 350	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 1310	5001	3	8.6 93	66 19	F C	-- 7.6	-- 310	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 1630	5001	3	9.0 98	66 19	F C	-- 7.8	-- 340	--	--	--	--	--	--	--	--	--	--	--	--	--
05/22/68 1945	5001	3	8.9 97	66 19	F C	-- 7.7	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.M. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN							MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER			
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TOS SUM	TH NCH	
89 D 805.8 140.1 SAN JOAQUIN RIVER AT TWITCHELL ISLAND CONTINUED																					
05/22/68 2220	5001	3	9.1 101	66 19	F C	-- 7.5	-- 260	--	--	--	--	--	--	--	--	--	--	--	--		
05/23/68 0100	5001	3	8.7 91	63 17	F C	-- 7.8	-- 330	--	--	--	--	--	--	--	--	--	--	--	--		
05/23/68 0405	5001	3	8.6 90	63 17	F C	-- 7.8	-- 340	--	--	--	--	--	--	--	--	--	--	--	--		
05/23/68 0645	5001	3	8.8 94	64 18	F C	-- 7.9	-- 380	--	--	--	--	--	--	--	--	--	--	--	--		
05/23/68 0935	5001	3	8.9 93	63 17	F C	-- 7.7	-- 310	--	--	--	--	--	--	--	--	--	--	--	--		
06/17/68 1300	5006 5001	3	8.8 102	72 22	F C	-- 7.5	600 590	17 .87	16 1.32	72 3.13	2.6 .07	0.0	92 1.51	32 .68	113 3.20	--	--	--	310 299	109 34	
07/17/68 1300	5006 5001	3	8.6 103	75 24	F C	-- 7.4	970	--	--	--	--	--	--	--	--	--	--	--	--		
08/14/68 1125	5001	3	9.2 102	68 20	F C	-- 7.9	-- 700	--	--	--	--	--	--	--	--	--	--	--	--		
09/26/68 1105	5006 5001	3	8.0 87	66 19	F C	-- 7.7	501 430	18 .90	17 1.40	53 2.31	3.3 .08	0.0	112 1.84	24 .50	78 2.20	--	--	0.5	310 249	115 23	
89 D 806.4 142.0 THREEMILE SLOUGH AT SACRAMENTO RIVER																					
01/11/68 1220	5001	3	11.4 92	43 6	F C	-- 7.3	-- 180	--	--	--	--	--	--	--	--	--	--	--	--		
01/11/68 1225	5001	3	12.5 102	44 7	F C	-- 7.3	-- 175	--	--	--	--	--	--	--	--	--	--	--	--		
01/11/68 1226	5001	16	11.5 96	46 8	F C	-- 7.0	-- 180	--	--	--	--	--	--	--	--	--	--	--	--		
02/26/68 1415	5001	3	9.4 90	56 13	F C	-- 7.0	-- 155	--	--	--	--	--	--	--	--	--	--	--	--		
02/26/68 1416	5001	16	9.3 91	58 14	F C	-- 7.0	-- 150	--	--	--	--	--	--	--	--	--	--	--	--		
04/19/68 0905	5001	3	9.7 98	60 16	F C	-- 7.9	-- 215	--	--	--	--	--	--	--	--	--	--	--	--		
05/21/68 1145	5001	3	9.1 97	64 18	F C	-- 7.8	-- 230	--	--	--	--	--	--	--	--	--	--	--	--		
06/18/68 1400	5006 5001	3	8.8 99	68.9F 20.5C	-- 7.9	500 520	15 .79	15 1.29	56 2.44	5.0 .13	0.0	90 1.48	35 .73	85 2.42	--	--	--	315 258	103 29		
07/18/68 1340	5006 5001	3	8.9 107	75 24	F C	-- 7.7	540 500	--	--	--	--	--	--	--	--	--	--	--	--		
08/15/68 1150	5001	3	8.9 101	69.8F 21.0C	-- 7.9	-- 445	--	--	--	--	--	--	--	--	--	--	--	--	--		
09/27/68 1125	5006 5001	3	8.9 98	67.1F 19.5C	-- 8.0	502 420	18 .90	18 1.50	54 2.35	3.6 .09	--	112 1.84	25 .52	82 2.31	--	--	.85	248 257	120 28		
89 D 809.4 141.0 SACRAMENTO RIVER BELOW RIO VISTA BRIDGE																					
01/11/68 1244	5001	3	10.9 88	43 6	F C	-- 7.3	-- 140	--	--	--	--	--	--	--	--	--	--	--	--		
01/11/68 1245	5001	16	13.3 108	44 7	F C	-- 7.0	-- 170	--	--	--	--	--	--	--	--	--	--	--	--		
02/26/68 1440	5001	3	9.2 89	57 14	F C	-- 7.1	-- 170	--	--	--	--	--	--	--	--	--	--	--	--		

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLE	G.M. DEPTH	DO SAT	TEMP	PH LAB FLO	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	CL	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH	
BY D 809.4 141.0 SACRAMENTO RIVER HELOW RIO VISTA BRIDGE CONTINUED																					
02/26/68 1441	5001	16	9.1 87	56 13	F C	-- 7.1	-- 165	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/27/68 1635	5001	3	9.8 97	59 15	F C	-- 7.8	-- 240	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/27/68 1920	5001	3	10.0 97	57 14	F C	-- 7.9	-- 230	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/27/68 2215	5001	3	9.3 90	56.3F 13.5C	-- C	-- 8.0	-- 265	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 0150	5001	3	9.8 94	56.3F 13.5C	-- C	-- 7.8	-- 240	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 0430	5001	3	10.0 96	56.3F 13.5C	-- C	-- 7.6	-- 215	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 0715	5001	3	9.9 95	56.3F 13.5C	-- C	-- 7.7	-- 245	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 1015	5001	3	9.7 97	59.0F 15.0C	-- C	-- 7.9	-- 270	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 1330	5001	3	9.6 96	59 F 15 C	-- C	-- 8.0	-- 235	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 1615	5001	3	9.6 97	59.9F 15.5C	-- C	-- 7.9	-- 235	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/68 1940	5006 5001	3	9.7 96	58.1F 14.5C	-- C	7.7 8.0	240 230	13 .67 28	12 1.05 44	14 .61 26	1.8 .05 2	0.0	113 1.85 82	3.0 .06 3	12 .34 15	--	--	--	--	116 112	86 0
03/28/68 2230	5001	3	9.4 93	58.1F 14.5C	-- C	-- 7.8	-- 255	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/29/68 0145	5001	3	9.5 93	57.5F 14.2C	-- C	-- 8.0	-- 230	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/29/68 0420	5001	3	9.8 96	57.2F 14.0C	-- C	-- 8.0	-- 220	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/29/68 0720	5001	3	10.0 100	59.0F 15.0C	-- C	-- 8.0	-- 220	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/29/68 1025	5001	3	9.4 94	59.0F 15.0C	-- C	-- 8.0	-- 260	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/19/68 0930	5001	3	9.8 93	55 F 13 C	-- C	-- 7.8	-- 170	--	--	--	--	--	--	--	--	--	--	--	--	--	--
05/21/68 1215	5001	3	8.6 91	64 F 19 C	-- C	-- 7.8	-- 220	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/18/68 1430	5006 5001	3	8.7 98	70 F 21 C	-- C	-- 7.8	230 270	14 .74 35	6.9 .57 27	18 .78 37	1.6 .04 2	0.0	90 1.48 61	25 .52 22	14 .41 17	--	--	--	--	125 125	66 0
07/18/68 1410	5006 5001	3	8.6 105	77 F 25 C	-- C	-- 7.6	190 190	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/15/68 1210	5001	3	8.5 96	69.8F 21.0C	-- C	-- 7.8	-- 185	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/27/68 1145	5006 5001	3	8.1 88	66.2F 19.0C	-- C	-- 8.0	251 220	13 .66 29	10 .87 38	17 .74 32	1.5 .04 2	0.0	105 1.72 74	11 .23 10	13 .37 16	--	--	0.5	--	141 118	76 0



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAH SAMPLER	G.M. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH	
89 D 810.6 139.8 SACRAMENTO RIVER AT STEAMBOAT SLOUGH																					
01/11/68 1307	5001	3	11.9 97	44 7	F C	-- 7.3	-- 240	--	--	--	--	--	--	--	--	--	--	--	--	--	
01/11/68 1308	5001	16	12.3 102	45 7	F C	-- 7.1	-- 150	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/19/68 1010	5001	3	9.9 100	60 16	F C	-- 7.8	-- 160	--	--	--	--	--	--	--	--	--	--	--	--	--	
89 D 811.0 139.3 STEAMBOAT SLOUGH ABOVE CACHE SLOUGH																					
02/26/68 1500	5001	3	9.8 95	57 14	F C	-- 7.0	-- 140	--	--	--	--	--	--	--	--	--	--	--	--	--	
02/26/68 1501	5001	16	9.8 96	58 14	F C	-- 7.0	-- 130	--	--	--	--	--	--	--	--	--	--	--	--	--	
04/19/68 1015	5001	3	9.9 100	60 16	F C	-- 7.9	-- 180	--	--	--	--	--	--	--	--	--	--	--	--	--	
05/21/68 1245	5001	3	8.5 92	66 19	F C	-- 7.6	-- 280	--	--	--	--	--	--	--	--	--	--	--	--	--	
06/18/68 1445	5006 5001	3	10.2 118	72 22	F C	-- 8.1	190 200	14 .74 38	8.2 .67 35	12 .52 27	0.0	0.3 .01 1	85 1.39 70	16 .33 17	8.8 .25 13	--	--	--	--	115 102	71 1
07/18/68 1430	5006 5001	3	8.5 104	77 25	F C	-- 7.6	320	--	--	--	--	--	--	--	--	--	--	--	--	--	
08/15/68 1230	5001	3	8.4 95	69.8 21.0	F C	-- 7.6	-- 180	--	--	--	--	--	--	--	--	--	--	--	--	--	
09/27/68 1205	5006 5001	3	7.9 86	66.2 19.0	F C	-- 7.6	226 210	13 .66 29	10 .87 38	16 .70 31	1.4 .04 2	0.0	102 1.67 74	11 .23 10	13 .37 16	--	--	0.5	--	137 116	76 0
89 D 813.4 140.4 CACHE SLOUGH BELOW MINER SLOUGH																					
06/10/68 1135	5050 5050		8.0 91	70 21	F C	-- 7.5	213 205	--	--	--	--	--	--	12 .34 15	1.5 .02	--	--	--	--	--	
89 D 814.3 140.3 SACRAMENTO SHIP CHANNEL ABOVE CACHE SL (LT67-68)																					
06/10/68 1229	5050 5050		8.6 98	71 22	F C	-- 7.7	276 258	--	--	--	--	--	--	19 .54 19	1.5 .02	--	--	--	--	--	
89 D 814.5 141.2 CACHE SLOUGH ABOVE LIBERTY ISLAND FERRY																					
06/10/68 1110	5050 5050		8.2 92	69 21	F C	-- 7.7	254 238	--	--	--	--	--	--	14 .39 15	2.1 .03 1	--	--	--	--	--	
89 D 814.8 142.4 LINDSEY SLOUGH NEAR RIO VISTA																					
05/01/68 0945	5050 5050		9.5 100	64 18	F C	8.1 7.8	252	14 .70 27	13 1.07 42	17 .74 29	1.9 .05 2	0.0	98 1.61 65	19 .40 16	16 .45 18	2.1 .03 1	--	0.1	16	152 147	87 7
06/10/68 1320	5050 5050		7.6 84	68 20	F C	-- 7.8	290 270	--	--	--	--	--	--	16 .45 15	3.0 .05 1	--	--	--	--	--	
89 D 815.4 140.2 PROSPECT SLOUGH NEAR RIO VISTA																					
06/10/68 1120	5050 5050		8.0 90	69 21	F C	-- 7.7	297 275	--	--	--	--	--	--	16 .45 15	2.6 .04 1	--	--	--	--	--	

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAW SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH L44 FLJ	EC L48 FL0	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO <sup>3</sup>	HCO <sup>3</sup>	SO <sup>4</sup>	CL	NO <sup>3</sup>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH
89 D 815.4 141.3 CACHE SLOUGH BELOW SHAG SLOUGH																				
06/10/68	5050		8.2	69	F	--	265	--	--	--	--	--	14	2.0	--	--	--	--	--	
1055	5050		92	21	C	7.8	245						.39	.03						
													14	1						
89 D 815.6 147.2 CALHOUN CUT NEAR RIO VISTA																				
06/10/68	5050		7.2	69	F	--	450	--	--	--	--	--	29	0.9	--	--	--	--	--	
1425	5050		81	21	C	7.7	395						.82	.01						
													18							
89 D 816.4 141.5 SHAG SLOUGH NEAR CACHE SLOUGH																				
06/10/68	5050		8.0	68	F	--	286	--	--	--	--	--	16	2.0	--	--	--	--	--	
1016	5050		89	20	C	7.5	260						.45	.03						
													15	1						
89 D 816.4 142.3 CACHE SLOUGH ABOVE SHAG SLOUGH																				
06/10/68	5050		8.3	68	F	--	278	--	--	--	--	--	15	2.3	--	--	--	--	--	
1000	5050		92	20	C	7.7	258						.42	.04						
													15	1						
89 D 817.2 143.1 CACHE SLOUGH BELOW HAAS SLOUGH																				
06/10/68	5050		8.4	67	F	--	282	--	--	--	--	--	16	1.7	--	--	--	--	--	
0950	5050		92	19	C	7.8	260						.45	.03						
													15	1						
89 D 817.8 144.8 CACHE SLOUGH AT VALLEJO PUMPING PLANT																				
06/10/68	5050		8.2	67	F	--	349	--	--	--	--	--	17	3.3	--	--	--	--	--	
0907	5050		90	19	C	8.2	305						.48	.05						
													13	1						
89 D 818.2 143.7 HAAS SLOUGH BELOW DUCK SLOUGH																				
06/10/68	5050		8.0	68	F	--	290	--	--	--	--	--	16	2.0	--	--	--	--	--	
0932	5050		89	20	C	7.8	265						.45	.03						
													15	1						
89 D 818.5 145.5 CACHE SLOUGH AT MAINE PRAIRIE																				
06/10/68	5050		7.2	65	F	--	438	--	--	--	--	--	21	4.5	--	--	--	--	--	
0830	5050		78	19	C	8.2	362						.59	.07						
													13	1						
89 D 820.7 132.7 SACRAMENTO RIVER AT GREENS LANDING																				
10/25/67	5050		9.2	59	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0745	5050		91	15	C	7.3	150													
11/08/67	5050	4.90	9.8	61	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0830	5050		100	16	C	7.3	135													
12/13/67	5050		10.3	44	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0930	5050		84	7	C	7.3	165													
02/04/68	5050		11.1	52	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0915	5050		101	11	C	7.3	195													
03/13/68	5050	7.71	10.8	54	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0915	5050		101	12	C	7.3	145													
04/10/68	5050	4.57	10.2	51	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1015	5050		92	11	C	7.3	130													
05/15/68	5050		10.3	59.9F		--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0815	5050		104	15.5C		7.3	225													
06/12/68	5050	4.43	7.9	70	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0830	5050		89	21	C	7.5														
07/03/68	5050		7.9	69	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0940	5050		88	21	C	7.5	140													
08/07/68	5050		7.4	73	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0720	5050		87	23	C	7.3	180													



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH	
89 D 827.3 130.0 SACRAMENTO RIVER AT FREEPORT																					
10/02/67 1010	5050 5050		8.7 92	64 18	F C	7.6 7.5	150	11 .55 38	6.2 .51 35	8.5 .37 26	0.8 .02 1	0.0	68 1.12 79	4.9 .10 7	5.5 .16 11	1.8 .03 2	0.0	0.0	18	65 90	53 0
11/06/67 0830	5050		9.9 95	56 13	F C	-- 7.3	-- 140	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11/08/67 0800	5000 5050		9.8 100	61 16	F C	7.6 7.3	132	11 .55 40	5.9 .48 35	7.5 .33 24	1.2 .03 2	0.0	66 1.08 78	7.0 .15 11	5.0 .14 10	1.0 .02 1	0.1	0.1	18	-- 89	52 0
12/04/67 5050	5050		10.3 94	52 11	F C	7.7 7.3	152 105	12 .60 38	5.4 .44 28	11 .48 31	1.4 .04 3	0.0	66 1.08 72	12 .25 17	5.5 .16 11	1.1 .02 1	--	0.0	--	99 81	52 0
01/03/68 1345	5050 5050		11.4 96	46 8	F C	7.5 7.5	148 145	11 .55 38	6.2 .51 35	8.6 .37 26	0.8 .02 1	0.0	69 1.13 79	7.2 .15 10	4.8 .14 10	0.7 .01 1	--	0.0	--	97 73	53 0
01/10/68 0800	5000 5050		--	--	--	7.4	136	12 .60 41	5.8 .48 33	7.8 .34 23	1.5 .04 3	0.0	67 1.10 78	7.0 .15 11	3.8 .11 8	3.3 .05 4	0.1	0.0	17	94 91	54 0
02/07/68 1220	5050 5050		11.1 97	49 9	F C	7.8 7.4	133 130	12 .60 47	4.9 .40 31	5.5 .24 19	1.7 .04 3	0.0	60 .98 80	6.1 .13 11	3.2 .09 7	2.1 .03 2	--	0.1	--	99 65	50 1
02/14/68 5000 5050	5000 5050		--	--	--	7.4	177	14 .70 38	7.3 .60 32	12 .52 28	1.3 .03 2	0.0	79 1.30 71	16 .33 18	6.0 .17 9	1.7 .03 2	0.1	0.0	19	-- 116	65 0
03/06/68 0830	5050 5050		10.5 98	54 12	F C	7.8 7.8	135 147	11 .55 43	5.2 .43 33	6.4 .28 22	1.1 .03 2	0.0	64 1.05 80	7.2 .15 11	3.6 .10 8	0.9 .01 1	0.0	0.1	--	72 67	49 0
03/13/68 1400	5000 5050		54 12	54 12	F C	7.5 10.5	131 140	11 .55 42	5.4 .44 34	6.4 .28 22	1.1 .03 2	0.0	62 1.02 80	7.0 .15 12	3.3 .09 7	1.2 .02 2	0.1	0.0	18	-- 84	50 0
04/03/68 0930	5050 5050		10.9 107	58 14	F C	7.9 7.9	188 205	14 .70 38	6.8 .56 31	12 .52 29	1.4 .04 2	0.0	77 1.26 69	14 .29 16	8.8 .25 14	1.5 .02 1	0.1	0.1	--	130 96	63 0
04/10/68 5000 5050	5000 5050		--	--	--	7.6	156	12 .60 38	6.4 .53 34	9.1 .40 26	1.2 .03 2	0.0	72 1.18 74	10 .21 13	5.6 .16 10	2.3 .04 3	0.1	0.3	17	-- 99	56 0
05/01/68 0830	5050 5050		9.4 99	64 18	F C	8.0 7.5	152 150	10 .50 34	6.8 .56 38	9.0 .39 26	1.3 .03 2	0.0	65 1.07 76	5.8 .12 9	6.1 .17 12	2.4 .05 4	0.1	0.1	17	81 91	53 0
05/15/68 0845	5000 5050		10.3 104	59.9F 15.4C	F C	7.6 7.3	216 230	14 .70 32	9.0 .74 34	16 .70 32	1.5 .04 2	0.0	92 1.51 67	19 .40 18	11 .31 14	1.6 .03 1	0.2	.08	16	-- 133	72 0
06/05/68 1245	5000 5050		8.1 91	69.5F 20.8C	F C	7.3 7.6	157 172	12 .60 37	6.9 .57 35	9.5 .41 25	1.2 .03 2	0.0	72 1.18 74	8.0 .17 11	7.0 .20 13	2.2 .04 3	0.1	.00	16	-- 98	58 0
07/03/68 1310	5050		8.5 95	69 21	F C	-- 7.5	-- 133	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/17/68 1325	5000 5050		8.8 97	68 20	F C	7.5 7.8	164 165	11 .55 33	6.8 .56 34	12 .52 31	1.3 .03 2	0.0	73 1.20 72	9.0 .19 11	9.2 .26 16	1.2 .02 1	0.1	.00	17	-- 103	56 0
08/07/68 1345	5000 5050		8.5 103	76 24	F C	7.9 8.0	189 300	13 .65 33	8.6 .71 36	14 .61 31	1.1 .03 2	0.0	89 1.46 76	11 .23 12	7.9 .22 11	1.0 .02 1	0.1	.00	18	-- 118	68 0
09/04/68 1150	5000 5050		8.3 97	72.5F 22.5C	F C	8.2 7.3	230 220	15 .75 31	10 .82 34	18 .78 33	1.6 .04 2	0.0	108 1.77 74	14 .29 12	11 .31 13	1.2 .02 1	0.2	.00	20	-- 144	78 0

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH	
G4 1600.00 SUSAN RIVER AT SUSANVILLE																					
10/16/67 1100	5050 5050	1.27 9.8	9.8 83	47 8	F C	8.1 8.0	169	--	--	6.0 .26 15	--	0.0	104 1.71 101	--	1.6 .05 2	--	--	0.0	--	--	72 0
11/06/67 1225	5050 5050	1.31 11	10.5 88	46 8	F C	8.2 7.8	171	--	--	5.8 .25 14	--	0.0	107 1.75 102	--	2.0 .06 3	--	--	0.0	--	--	75 0



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAR SAMPLER	G.M. J	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	S102	TDS SUM	TH NCH	
G4 1600.00 SUSAN RIVER AT SUSANVILLE CONTINUED																					
12/14/67 0930	5050 5050	1.26 9.5	12.1 83	32 C	8.3 7.4	186	--	--	7.3 .32 17	--	0.0	111 1.82 97	--	2.2 .06 3	--	--	0.0	--	--	77 0	
01/04/68 1245	5050 5050	1.30 10.0	12.1 88	36 2 C	8.2 7.4	171	--	--	5.2 .23 13	--	0.0	105 1.72 100	--	0.8 .02 1	--	--	0.0	--	--	74 0	
02/08/68 1235	5050 5050		12.1 92	39 4 C	7.8 7.6	150	--	--	4.0 .17 11	--	0.0	86 1.41 94	--	1.6 .05 3	--	--	0.0	--	--	63 0	
03/08/68 0905	5050 5050		11.7 85	36 2 C	8.0 7.3	98	--	--	3.4 .15 15	--	0.0	57 .93 94	--	0.0	--	--	0.0	--	--	41 0	
04/03/68 1040	5050 5050	2.88 152	11.5 87	39 4 C	7.9 7.5	94	--	--	2.8 .12 12	--	0.0	56 .92 97	--	0.0	--	--	0.0	--	--	39 0	
05/07/68 1415	5050 5050	2.44 91	9.2 86	54 12 C	8.0 7.5	94	9.2 .46 46	4.1 .34 34	3.7 .16 16	1.0 .03 3	0.0	56 .92 94	1.2 .02 2	1.4 .04 4	0.1	--	0.0	--	68 48	40 0	
06/10/68 0740	5050 5050	2.52 101	9.2 87	55 13 C	7.8 7.3	76	--	--	2.3 .10 13	--	0.0	42 .69 90	--	0.8 .02 2	--	--	0.0	--	--	31 0	
07/04/68 1600	5050 5050	2.35 80	7.4 88	75 24 C	8.0 7.8	69	--	--	1.8 .08 11	--	0.0	42 .69 100	--	0.7 .02 2	--	--	0.0	--	--	30 0	
08/08/68 1405	5050 5050	.69 1.6	8.3 99	75 24 C	8.4 7.8	181	--	--	6.4 .28 15	--	2.0 .07 3	108 1.77 97	--	1.6 .05 2	--	--	0.0	--	--	80 0	
09/05/68 1530	5050 5050	.77 2.4	8.8 101	71 22 C	8.2 8.1	193	17 .85 42	10 .82 40	6.9 .30 15	2.5 .06 3	0.0	119 1.95 98	0.0	1.4 .04 2	0.0	--	0.0	--	131 96	86 0	
G7 1195.00 TRUCKEE RIVER NEAR FARAD																					
11/14/67 1100	5050 5050		9.7 81	46 8 C	7.4 7.9	100 100	9.2 .46 47	3.2 .26 27	5.0 .22 22	1.7 .04 4	0.0	54 .89 88	4.9 .10 10	0.7 .02 2	0.3	--	0.0	--	70 51	36 0	
12/06/67 0930	5050 5050		12.0 82	32 C	7.5 7.3	100 130	9.2 .46 46	3.2 .26 26	5.4 .23 23	1.8 .05 5	0.0	49 .80 82	4.8 .10 10	2.4 .07 7	0.0	--	0.1	--	79 51	36 0	
01/02/68 1600	5050 5050		10.4 75	36 2 C	7.6 7.5	106 105	10 .50 49	3.2 .26 25	5.1 .22 21	1.8 .05 5	0.0	55 .90 91	0.5 .01 1	2.2 .06 6	1.4 .02 2	--	0.0	--	65 51	38 0	
02/07/68 0800	5050 5050		10.7 79	37 3 C	7.9 7.5	108 100	10 .50 49	3.4 .28 27	5.0 .22 21	1.2 .03 3	0.0	54 .89 86	2.3 .05 5	3.4 .10 10	0.0	--	0.0	--	78 52	39 0	
03/05/68 1400	5050 5050		9.8 79	43 6 C	7.6 7.3	83 80	8.3 .41 49	2.8 .23 27	3.9 .17 20	1.0 .03 4	0.0	39 .64 71	8.4 .17 19	2.8 .08 9	0.5 .01 1	--	0.1	--	76 47	32 0	
04/03/68 0705	5050 5050		11.7 89	39 4 C	7.9 7.3	88 89	8.4 .42 42	4.9 .40 40	3.6 .16 16	1.0 .03 3	0.0	45 .74 88	2.3 .05 6	1.8 .05 6	0.3	--	0.0	--	63 44	31 0	
05/08/68 0715	5050 5050		9.4 78	45 7 C	7.7 7.5	75 75	7.2 .36 48	2.2 .18 24	4.2 .18 24	1.1 .03 4	0.0	36 .59 87	1.3 .03 4	2.3 .06 9	0.1	--	0.0	--	46 36	27 0	
06/12/68 0915	5050 5050		8.9 81	52 11 C	7.8 7.5	75 70	7.4 .37 51	2.1 .17 23	4.0 .17 23	0.9 .02 3	0.0	39 .64 83	3.8 .08 10	1.7 .05 6	0.1	--	0.1	--	50 39	27 0	
07/10/68 0750	5050 5050	2.97	8.0 78	57 14 C	7.4 7.7	94 95	9.8 .49 52	2.8 .23 24	6.0 .26 27	--	0.0	53 .87 92	--	2.3 .06 6	--	--	--	--	--	36 0	
08/07/68 0830	5050 5050	2.86	9.1 92	60 16 C	7.9 7.3	97 115	9.0 .45 45	3.0 .25 25	6.3 .27 27	1.4 .04 4	0.0	52 .85 89	2.6 .05 5	2.0 .06 6	0.1	--	0.0	--	74 50	35 0	
09/04/68 1215	5050 5050	3.09	8.9 91	61 16 C	7.7 8.2	90 89	9.0 .45 49	2.8 .23 25	4.8 .21 23	1.3 .03 3	0.0	49 .80 92	1.6 .03 3	1.5 .04 5	0.1	--	0.0	--	49 45	34 0	



TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

DATE TIME	LAB SAMPLE	G.M. J	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN					MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TOS SUM	TH NCH	
G7 1565.10 DONNER CREEK AT DONNER LAKE NEAR TRUCKEE																					
03/05/68	5050	2.01	17.1	40	F	7.5	66	5.4	1.3	3.8	--	0.0	22	--	4.7	--	--	--	--	--	19
1300	5050	1.5	78	4	C	6.9	70	.27	.11	.17	--		.36	--	.13	--	--	--	--	--	1
								.40	.16	.25	--		.54	--	.19	--	--	--	--	--	
07/10/68	5050	1.79	7.7	74	F	7.5	67	6.4	1.2	5.0	--	0.0	26	--	6.7	--	--	--	--	--	21
1100	5050	4.8	87	21	C	7.5	67	.32	.10	.22	--		.43	--	.19	--	--	--	--	--	0
								.47	.14	.32	--		.64	--	.28	--	--	--	--	--	
09/04/68	5050	2.07	4.2	62	F	7.5	67	5.9	2.1	4.2	0.9	0.0	25	0.6	7.3	0.0	--	0.1	--	36	23
0830	5050	12	85	17	C	7.3	68	.29	.17	.18	.02		.41	.01	.21	--	--	--	--	33	3
								.44	.26	.27	.3		.65	.2	.33	--	--	--	--	--	
G7 1710.00 LAKE TAHOE AT TAHOE CITY																					
11/14/67	5050		9.0	49	F	7.9	95	--	--	6.4	--	0.0	51	--	2.4	--	--	0.0	--	--	31
1100	5050		79	9	C	7.5	94			.28	--		.84	--	.07	--	--	--	--	--	0
										.29	--		.88	--	.7	--	--	--	--	--	
01/02/68	5050		10.5	32	F	7.9	96	8.7	2.5	5.1	--	0.0	52	--	1.1	--	--	--	--	--	32
1500	5050		72		C	7.3	132	.43	.21	.22	--		.85	--	.03	--	--	--	--	--	0
								.44	.21	.22	--		.88	--	.3	--	--	--	--	--	
03/05/68	5050		9.4	45	F	8.0	96	9.2	2.2	5.2	--	0.0	52	--	1.1	--	--	--	--	--	32
1215	5050		78	7	C	7.5	90	.46	.18	.23	--		.85	--	.03	--	--	--	--	--	0
								.47	.18	.23	--		.88	--	.3	--	--	--	--	--	
05/08/68	5050		9.3	44	F	8.0	97	9.5	1.6	5.4	--	0.0	52	--	2.3	--	--	--	--	--	30
0630	5050		76	7	C	7.3	100	.47	.13	.23	--		.85	--	.06	--	--	--	--	--	0
								.48	.13	.23	--		.87	--	.6	--	--	--	--	--	
07/16/68	5050	4.44	7.9	--		7.8	94	9.8	2.0	6.4	--	0.0	53	--	1.9	--	--	--	--	--	33
0500	5050					7.7		.49	.17	.28	--		.87	--	.05	--	--	--	--	--	0
								.52	.18	.29	--		.92	--	.5	--	--	--	--	--	
09/04/68	5050	17.65	8.4	60	F	7.7	122	10	2.2	6.3	--	0.0	44	--	1.8	--	--	--	--	--	34
0930	5050		85	16	C	7.9	91	.50	.18	.27	--		.72	--	.05	--	--	--	--	--	0
								.40	.14	.22	--		.59	--	.4	--	--	--	--	--	
G7 3750.10 UPPER TRUCKEE RIVER NEAR MYERS																					
03/05/68	5050		10.2	38	F	7.2	--	4.3	0.7	2.8	--	0.0	18	--	3.4	--	--	--	--	--	14
1030	5050		76	3	C	7.0	50	.21	.06	.12	--		.30	--	.10	--	--	--	--	--	0
07/16/68	5050	4.17	7.8	--		7.5	66	6.5	1.6	5.4	--	0.0	32	--	3.4	--	--	--	--	--	23
0600	5050	12				7.1		.32	.14	.23	--		.52	--	.10	--	--	--	--	--	0
								.48	.21	.34	--		.78	--	.15	--	--	--	--	--	
09/18/68	5050	1.90	9.0	50	F	7.6	82	6.8	2.1	6.4	--	0.0	38	--	4.7	--	--	--	--	--	26
0850	5050	4.4	80	10	C	7.2	83	.34	.18	.28	--		.62	--	.13	--	--	--	--	--	0
								.41	.21	.34	--		.75	--	.15	--	--	--	--	--	
G8 2300.00 CARSON RIVER, WEST FORK, AT WOODFORDS																					
11/15/67	5050		--	--		7.6	81	--	--	3.7	--	0.0	42	--	1.3	--	--	0.0	--	--	29
0845	5050									.16	--		.69	--	.04	--	--	--	--	--	0
										.19	--		.85	--	.4	--	--	--	--	--	
01/03/68	5050		9.8	31	F	7.8	80	8.1	2.3	3.4	--	0.0	43	--	0.0	--	--	--	--	--	30
0915	5050	28	59	1	C	7.3	78	.40	.20	.15	--		.71	--		--	--	--	--	--	0
								.50	.25	.18	--		.88	--		--	--	--	--	--	
03/06/68	5050	1.59	10.3	34	F	7.4	68	7.4	1.8	2.5	--	0.0	35	--	1.1	--	--	--	--	--	26
0830	5050	43	72	1	C	7.1	70	.37	.15	.11	--		.57	--	.03	--	--	--	--	--	0
								.54	.22	.16	--		.83	--	.4	--	--	--	--	--	
05/08/68	5050	2.32	10.6	46	F	7.5	50	5.7	1.2	2.1	--	0.0	26	--	0.1	--	--	--	--	--	19
1315	5050	220	89	8	C	7.3	55	.28	.10	.09	--		.43	--		--	--	--	--	--	0
								.56	.20	.18	--		.86	--		--	--	--	--	--	
07/16/68	5050	1.33	8.9	--		7.4	72	8.5	1.6	3.0	--	0.0	40	--	0.8	--	--	--	--	--	28
0730	5050	55				7.5		.42	.14	.13	--		.66	--	.02	--	--	--	--	--	0
								.58	.19	.18	--		.91	--	.2	--	--	--	--	--	
G8 3420.20 CARSON RIVER, EAST FORK, NEAR MARKLEEVILLE																					
11/15/67	5050		10.3	42	F	7.9	129	--	--	8.3	--	0.0	62	--	3.0	--	--	0.0	--	--	44
0945	5050		82	6	C	7.7	128			.36	--		1.02	--	.08	--	--	--	--	--	0
										.27	--		.79	--	.6	--	--	--	--	--	
01/03/68	5050		9.4	32	F	7.9	148	14	5.3	7.8	--	0.0	68	--	2.2	--	--	--	--	--	57
0945	5050		64		C	7.3	135	.70	.44	.34	--		1.12	--	.06	--	--	--	--	--	1
								.47	.29	.22	--		.75	--	.4	--	--	--	--	--	
03/06/68	5050		10.3	34	F	7.9	126	12	2.9	7.5	--	0.0	57	--	3.8	--	--	--	--	--	42
0915	5050		72	1	C	7.3	120	.60	.24	.33	--		.93	--	.11	--	--	--	--	--	0
								.47	.19	.26	--		.73	--	.8	--	--	--	--	--	
05/08/68	5050		10.1	48	F	7.6	77	7.6	1.4	3.8	--	0.0	34	--	2.3	--	--	--	--	--	25
1230	5050		87	9	C	7.3	75	.38	.12	.17	--		.56	--	.06	--	--	--	--	--	0
								.49	.15	.22	--		.72	--	.7	--	--	--	--	--	

TABLE D-2  
MINERAL ANALYSES OF SURFACE WATER

0637503

DATE TIME	LAB SAMPLER	D.H. Q	OO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS SUM				TM NCH
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TDS SUM	
68 3420.20 CARSON RIVER, EAST FORK, NEAR MARKLEEVILLE CONTINUED																				
07/16/68	5050		9.0	--	7.8	97	11	2.0	6.0	--	0.0	52	--	1.9	--	--	--	--	36	
0815	5050				7.9		.55	.17	.26	--		.85	--	.05	--	--	--	--	0	
							56	17	26			87		5						
09/18/68	5050		9.0	75 F	8.0	137	14	4.8	8.9	--	0.0	69	--	3.1	--	--	--	--	55	
1100	5050		108	24 C	8.2	135	.70	.40	.39	--		1.13	--	.09	--	--	--	--	0	
							51	29	28			82		6						
69 2460.00 WALKER RIVER, WEST, NEAR COLEVILLE																				
11/15/67	5050		10.6	41 F	7.8	121	--	--	7.8	--	0.0	63	--	1.9	--	--	0.0	--	41	
1115	5050	76	83	5 C	7.6	115			.34	--		1.03	--	.05	--	--	--	--	0	
									28			85		4						
01/03/68	5050		8.8	31 F	8.1	145	14	3.4	9.1	--	0.0	72	--	3.3	--	--	--	--	49	
0915	5050	30	59	1 C	7.3	78	.70	.28	.40	--		1.18	--	.09	--	--	--	--	0	
							48	19	27			81		6						
03/06/68	5050	2.03	10.2	35 F	7.8	96	11	1.5	3.8	--	0.0	46	--	3.1	--	--	--	--	34	
1045	5050	150	73	2 C	7.3	100	.55	.13	.17	--		.75	--	.09	--	--	--	--	0	
							57	13	17			78		9						
05/08/68	5050		10.2	47 F	7.6	56	5.5	1.1	2.2	--	0.0	24	--	1.9	--	--	--	--	18	
1130	5050	500	87	8 C	7.3	55	.27	.09	.10	--		.39	--	.05	--	--	--	--	0	
							48	16	17			69		8						
07/16/68	5050		9.0	--	7.7	66	8.1	1.4	3.3	--	0.0	36	--	--	--	--	--	--	26	
0930	5050				7.5		.40	.12	.14	--		.59	--		--	--	--	--	0	
							60	18	21			89								
09/18/68	5050	1.63	9.4	60 F	7.9	138	19	2.5	6.4	--	0.0	74	--	1.8	--	--	--	--	58	
1330	5050	65	95	16 C	8.2	139	.95	.21	.28	--		1.21	--	.05	--	--	--	--	0	
							68	15	20			87		3						
69 3200.00 WALKER RIVER, EAST, NEAR BRIDGEPORT																				
11/15/67	5050	.34	9.3	47 F	8.0	197	--	--	11	--	0.0	105	--	3.0	--	--	0.0	--	77	
1215	5050	17	79	8 C	7.7	200			.48	--		1.72	--	.08	--	--	--	--	0	
									24			87		4						
01/03/68	5050	.83	9.4	32 F	8.1	230	29	4.2	9.2	--	0.0	118	--	0.5	--	--	--	--	90	
1215	5050	69	64	C	7.5	240	1.45	.35	.40	--		1.94	--	.01	--	--	--	--	0	
							63	15	17			84								
03/06/68	5050	.68	9.7	42 F	8.1	210	24	4.1	14	--	0.0	105	--	1.6	--	--	--	--	77	
1200	5050	52	77	6 C	8.3	220	1.20	.34	.61	--		1.72	--	.05	--	--	--	--	0	
							57	16	29			81		2						
05/08/68	5050	1.42	9.5	57 F	8.3	222	24	4.4	14	--	0.0	116	--	3.1	--	--	--	--	78	
1030	5050	166	92	14 C	8.3	220	1.20	.36	.61	--		1.90	--	.09	--	--	--	--	0	
							54	16	27			85		4						
07/16/68	5050	1.72	7.1	--	9.0	233	29	3.8	15	--	9.0	107	--	2.7	--	--	--	--	88	
1000	5050	243			8.2		1.45	.31	.65	--		.30	--	1.75	--	--	--	--	0	
							62	13	27			12		75						
09/18/68	5050	1.28	7.2	60 F	8.1	247	32	5.1	16	--	0.0	135	--	3.0	--	--	--	--	101	
1435	5050	150	73	16 C	7.7	240	1.60	.42	.70	--		2.21	--	.08	--	--	--	--	0	
							64	17	28			89		3						



TABLE D-3

MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

Abbreviations

- LAB - The laboratory which analyzed the sample  
5000 U. S. Geological Survey Laboratory at Sacramento.  
5050 Department of Water Resources Laboratory at Bryte.  
5801 U. S. Agricultural Consultants Laboratory.
- SAMPLER - 5050 Department of Water Resources.  
5071 Department of Fish and Game.
- G.H. - Instantaneous gage height in feet above an established datum.
- Q or DEPTH - Instantaneous discharge measured in cubic feet per second (cfs) or depth at which sample was collected.
- DO - Dissolved oxygen content in milligrams per liter.
- SAT - Percent saturation.
- TEMP - Water temperature in degrees Fahrenheit and Celsius.
- PH - Measure of acidity or alkalinity of water.
- EC - Specific electrical conductance in micromhos at 25° Celsius.
- TDS - Gravimetric determination of total dissolved solids at 180° Celsius.
- SUM - Summation of analyzed constituents in prescribed manner.
- TH - Total hardness.
- NCH - Noncarbonate hardness.

PERCENT REACTANCE VALUE is determined by dividing the sum of the cations or anions in milliequivalents per liter into each constituent in milliequivalents per liter arriving at a percentage. For a partial analysis, an approximate value is determined by multiplying the electrical conductance by 0.01 and using that as the cation or anion sum.

Chemical Symbols

B	- Boron	K	- Potassium
CA	- Calcium	MG	- Magnesium
CL	- Chloride	NA	- Sodium
CO <sub>3</sub>	- Carbonate	NO <sub>3</sub>	- Nitrate
F	- Fluoride	SIO <sub>2</sub>	- Silica
HCO <sub>3</sub>	- Bicarbonate	SO <sub>4</sub>	- Sulfate

TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAH SAMPLE	G.M. D	DO SAT	TEMP	PH LAH FLD	EC LAH FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH	
AO 6105.01 YUBA RIVER NEAR MARYSVILLE																					
10/16/67 1130	5050	59.91 300	9.3 100	65 F 18 C	-- 7.3	-- 110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/68 1115	5050		11.2 105	54.5F 12.4C	7.7 7.3	87 85	9.9 .49 56	2.3 .19 21	2.3 .10 11	--	0.0	42 .69 79	--	1.1 .03 3	--	--	--	--	--	--	34 0
AO 6120.00 YUBA RIVER AT MARYSVILLE																					
04/09/51 1640	5000 5050	51.34 4590	11.2 109	57 F 14 C	7.2 7.8	73	--	--	2.1 .09 12	--	0.0	40 .66 90	--	1.8 .05 6	--	--	--	--	--	--	32 0
05/07/51 1530	5000 5050	51.49 5270	10.0 96	56.3F 13.4C	7.5 7.3	63	7.7 .38 57	2.2 .18 27	2.1 .09 13	0.6 .02 3	0.0	34 .56 84	3.7 .08 12	1.0 .03 4	0.0	--	.28	15	49 49	28 0	
06/15/51 1515	5000 5050	46.90 1180	9.4 109	72.5F 22.4C	7.6 7.7	82	--	--	--	--	0.0	40 .66 80	--	1.2 .03 3	--	--	--	--	--	--	30 0
07/10/51 0845	5000 5050	44.85 386	8.3 92	68 F 20 C	7.5 7.7	117	--	--	--	--	0.0	51 .84 71	--	1.0 .03 2	--	--	--	--	--	--	42 0
08/14/51 0810	5000 5050	44.23 171	8.0 92	71.6F 22.0C	7.3 7.5	141	--	--	--	--	0.0	62 1.02 72	--	4.0 .11 7	--	--	--	--	--	--	60 9
09/11/51 1330	5000 5050	44.50 256	8.6 103	75 F 24 C	7.7 7.3	122	13 .65 50	5.6 .46 35	3.9 .17 13	1.0 .03 2	0.0	59 .97 72	10 .21 16	5.3 .15 11	1.4 .02 1	0.0	.04	16	-- 85	56 8	
10/08/51 1300	5000 5050	45.06 473	9.6 109	70 F 21 C	7.1 7.1	132	--	--	4.4 .19 14	--	0.0	66 1.08 81	--	2.2 .06 4	--	--	--	--	--	--	58 4
11/13/51 1245	5000 5050	45.76 732	11.5 112	57 F 14 C	6.6 7.3	140	--	--	6.0 .26 18	--	0.0	58 .95 67	--	4.0 .11 7	--	--	--	--	--	--	58 11
12/13/51 0830	5000 5050	47.55 1780	13.5 112	31.9F 7.3C	6.6 6.6	96	--	--	--	--	0.0	28 .46 47	--	1.0 .03 3	--	--	--	--	--	--	40 17
01/08/52 0945	5000 5050	49.37 3150	12.5 100	31.9F 6.0C	6.7 7.0	86	--	--	--	--	0.0	42 .69 80	--	2.0 .06 6	--	--	--	--	--	--	34 0
02/13/52 1100	5000 5050	53.42 6590	12.1 100	31.9F 7.0C	7.3 7.8	65	6.2 .31 45	3.3 .27 39	2.3 .10 14	0.4 .01 1	0.0	34 .56 81	4.1 .09 13	1.1 .03 4	0.6 .01 1	0.1	.15	14	-- 49	29 1	
03/13/52 1145	5000 5050	51.67 6030	12.0 103	31.9F 8.8C	7.7 7.3	76	--	--	2.1 .09 11	--	0.0	39 .64 84	--	1.2 .03 3	--	--	--	--	--	--	34 2
03/21/52 1130	5000 5050	49.87 4330	9.3 100	65.3F 18.5C	6.8 7.7	62	7.8 .39 50	3.2 .26 33	2.8 .12 15	0.4 .01 1	0.0	40 .66 81	4.5 .09 11	2.2 .06 7	0.1	0.0	.02	14	-- 55	33 0	
04/14/52 1300	5000 5050	57.89 10300	14.5 132	52.1F 11.2C	-- 7.2	63	--	--	--	--	0.0	34 .56 88	--	0.0	--	--	--	--	--	--	32 4
05/12/52 1115	5000 5050	57.91 13500	12.4 114	52.7F 11.5C	6.8 7.5	50	5.5 .27 59	1.6 .13 28	1.2 .05 11	0.5 .01 2	0.0	24 .39 80	3.2 .07 14	0.9 .03 6	0.2	0.1	.02	11	-- 36	20 1	
06/09/52 1600	5000 5050	55.75 13700	10.5 97	52.7F 11.5C	6.9 7.3	49	--	--	--	--	0.0	23 .38 77	--	1.0 .03 6	--	--	--	--	--	--	18 0
07/07/52 0950	5000 5050	49.87 4330	9.3 100	65.3F 18.5C	6.8 7.7	62	--	--	--	--	0.0	31 .51 82	--	1.0 .03 4	--	--	--	--	--	--	22 0
08/22/52 1230	5050 5050	41.75 430	8.2 98	75.2F 24.0C	6.7 7.7	94	--	--	--	--	0.0	48 .79 84	--	0.0	--	--	--	--	--	--	38 0
09/17/52 0730	5000 5050	43.80 492	8.4 92	67.1F 19.5C	7.6 7.3	103	--	--	--	--	0.0	56 .92 89	--	0.9 .03 2	--	--	--	--	--	--	45 0
10/23/52 1400	5000 5050	44.72 465	9.8 105	65.3F 18.5C	7.5 7.5	113	13 .65 53	4.1 .34 28	4.5 .20 16	1.0 .03 2	0.0	60 .98 82	7.0 .15 13	2.5 .07 6	0.2	0.0	.07	16	-- 78	49 0	
11/10/52 1400	5050 5050	43.65 445	10.0 91	51.8F 11.0C	7.6 7.7	119	--	--	--	--	0.0	62 1.02 85	--	1.0 .03 2	--	--	--	--	--	--	50 0
12/12/52 1400	5050 5050	46.24 970	11.0 98	50.0F 10.0C	7.5 7.3	117	--	--	--	--	0.0	52 .85 72	--	1.0 .03 2	--	--	--	--	--	--	48 6



TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.H. W	DO SAT	TEMP	PH LAB FLJ	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH
AD 6120.00      YUBA RIVER AT MARYSVILLE      CONTINUED																				
01/13/53 1530	5000 5050	61.22 18100	11.5 97	31.9F 8.0C	7.4 7.0	50	6.1 .30 60	2.4 .20 40	1.5 .07 14	0.6 .02 4	0.0	27 .44 88	--	1.5 .04 8	--	--	--	--	--	25 3
02/18/53 0945	5000 5050	47.96 2200	11.3 93	31.9F 7.0C	7.5 7.3	76	7.8 .39 51	3.0 .25 37	2.8 .12 15	0.6 .02 2	0.0	39 .64 84	--	1.0 .03 3	--	--	--	--	--	32 0
03/12/53 1100	5000 5050	48.30 2760	10.6 99	53.6F 12.0C	7.8 7.5	75	8.5 .42 56	3.1 .25 33	2.8 .12 16	--	0.0	43 .71 94	--	1.5 .04 5	--	--	.02	--	--	34 0
04/23/53 0900	5000 5050	50.77 5980	10.4 98	54.5F 12.5C	7.3 7.3	68	7.6 .38 55	2.7 .22 32	2.0 .09 13	--	0.0	38 .62 91	--	1.1 .03 4	--	--	.12	--	--	30 0
05/15/53 1330	5000 5050	49.90 4350	10.2 97	55.4F 13.0C	7.6 7.3	59	5.8 .29 43	3.5 .29 43	2.0 .09 13	0.5 .01 1	0.0	34 .56 84	3.5 .07 10	1.5 .04 6	0.0	0.1	.01	14	--	29 1
06/16/53 0745	5050 5050	51.33 6690	11.0 106	55.9F 13.3C	-- 7.3	59	--	--	--	--	0.0	30 .49 83	--	4.0 .11 18	--	--	--	--	--	30 6
07/10/53 1045	5050 5050	46.71 1580	8.1 93	71.6F 22.0C	6.8	53	--	--	1.2 .05 9	--	0.0	28 .46 86	--	0.0	--	--	.03	--	--	25 2
08/21/53 0945	5000 5050	44.11 349	8.3 92	68.0F 20.0C	7.8 7.3	94	11 .55 58	4.1 .34 36	2.4 .10 10	0.5 .01 1	0.0	50 .82 87	--	2.2 .06 6	--	--	.00	--	--	44 3
09/11/53 1220	5000 5050	43.95 345	8.6 99	71.6F 22.0C	7.8 7.3	108	12 .60 55	4.2 .35 32	3.0 .13 12	0.5 .01 1	0.0	57 .93 82	6.6 .14 12	2.0 .06 5	0.1	0.0	.01	15	--	47 1
10/19/53 1430	5000 5050	44.42 539	10.3 110	64 F 18 C	7.5 7.5	115	13 .65 56	4.6 .38 33	4.5 .20 17	0.7 .02 1	0.0	60 .98 85	--	2.2 .06 5	--	--	.14	--	--	51 2
11/12/53 1610	5050 5050	43.25 476	11.7 118	59.9F 15.5C	-- 7.3	108	--	--	5.4 .23 21	--	0.0	55 .90 83	--	1.0 .03 2	--	--	.09	--	--	51 6
12/10/53 1230	5000 5050	44.37 640	12.0 106	50.0F 10.0C	7.6 7.4	104	12 .60 57	3.7 .30 28	3.4 .15 14	0.6 .02 1	0.0	52 .85 81	--	2.0 .06 5	--	--	.00	--	--	45 3
01/15/54 1330	5000 5050	44.94 689	11.1 94	47 F 8 C	8.0 7.3	111	13 .65 58	3.6 .30 27	2.6 .11 9	0.5 .01 1	0.0	57 .93 83	--	1.0 .03 2	--	--	.02	--	--	47 1
02/11/54 1300	5000 5050	46.60 1620	11.7 100	47 F 8 C	7.8 7.2	81	9.3 .46 56	2.9 .24 29	2.4 .10 12	0.4 .01 1	0.0	42 .69 85	--	0.2 .01 1	--	--	.01	--	--	35 1
03/10/54 1400	5000 5050	63.39 32500	12.0 106	59 F 10 C	-- 7.2	61	6.6 .33 54	2.6 .21 34	1.5 .07 11	0.6 .02 3	0.0	33 .54 88	--	0.2 .01 1	--	--	.08	--	--	27 0
04/16/54 1045	5000 5050	51.43 5760	10.4 95	52 F 11 C	7.4 7.3	62	7.3 .36 58	2.1 .17 27	1.9 .08 12	0.2 .01 1	0.0	34 .56 90	--	2.0 .06 9	--	--	.01	--	--	27 0
05/14/54 1145	5000 5050	49.09 3810	10.1 103	61 F 16 C	7.6 7.3	56	6.2 .31 58	2.0 .16 30	1.2 .05 9	0.3 .01 2	0.0	30 .49 89	2.7 .06 11	0.0	0.3	0.1	.00	10	--	24 0
06/11/54 1315	5000 5050	45.65 1140	8.0 89	68 F 20 C	7.4 7.3	69	8.3 .41 56	2.7 .22 30	2.1 .09 12	0.5 .01 1	0.0	38 .62 78	6.1 .13 16	1.4 .04 5	--	--	--	--	--	32 1
07/16/54 1140	5000 5050	43.75 390	8.8 102	72 F 22 C	7.7 7.3	98	12 .60 61	3.0 .25 25	3.2 .14 14	0.7 .02 2	0.0	53 .87 88	--	2.8 .08 8	--	--	.10	--	--	42 0
08/13/54 0700	5000 5050	43.69 280	--	--	8.1 7.3	114	13 .65 57	4.0 .33 28	3.4 .15 13	1.2 .03 2	0.0	60 .98 85	--	2.2 .06 5	--	--	.00	--	--	49 0
09/17/54 1015	5000 5050	42.89 109	8.7 97	69 F 21 C	7.8 7.3	132	15 .75 56	4.9 .40 30	3.6 .16 12	0.7 .02 2	0.0	66 1.08 80	1.1 .23 17	1.5 .04 3	0.2	0.0	.02	18	--	58 4
10/14/54 1615	5000 5050	42.55 67	9.1 100	67.1F 19.5C	7.8 7.7	144	16 .80 55	6.0 .49 34	4.2 .18 12	0.8 .02 1	0.0	72 1.18 81	--	3.6 .10 6	--	--	.01	--	--	65 6
11/12/54 0815	5000 5050	43.52 278	10.0 96	56.3F 13.5C	7.7 7.3	132	15 .75 56	5.1 .42 31	3.7 .16 12	0.9 .02 1	0.0	67 1.10 83	--	1.8 .05 3	--	--	.02	--	--	58 3
12/09/54 0830	5000 5050	45.28 1260	11.0 96	31.9F 9.5C	7.4 7.2	106	11 .55 51	4.6 .38 35	3.3 .14 13	0.5 .01 1	0.0	53 .87 82	--	2.8 .08 7	--	--	.01	--	--	46 3
01/12/55 0745	5000 5050	45.68 1070	12.2 93	31.9F 4.0C	7.7 7.2	99	12 .60 60	3.7 .30 30	2.7 .12 12	0.5 .01 1	0.0	50 .82 82	--	1.8 .05 5	--	--	.11	--	--	45 4



TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS TH							
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SiO2	SUM	TH NCH			
		AO 6120.00				YUBA RIVER AT MARYSVILLE							CONTINUED										
02/08/55 1400	5000 5050	45.60 1070	13.2 114	48 9	F C	7.8 8.0	98	12 .60 61	3.4 .24 28	3.2 .14 14	0.5 .01 1	0.0	50 .82 83	--	1.0 .03	--	--	.00	--	--	44 3		
03/08/55 1115	5000 5050	45.85 1150	11.8 103	49 9	F C	7.5 7.4	101	12 .60 59	4.1 .34 33	3.3 .14 13	0.5 .01	0.0	52 .85 84	--	1.5 .04 3	--	--	.00	--	--	47 5		
04/05/55 1030	5000 5050	46.59 1490	11.1 110	59 15	F C	7.0 7.4	89	7.9 .39 43	4.5 .37 41	2.7 .12 13	0.4 .01 1	0.0	48 .79 88	--	0.6 .02 2	--	--	.03	--	--	38 0		
05/13/55 0750	5000 5050	50.18 5360	10.9 103	55 13	F C	7.2 7.2	62	8.5 .42 63	1.9 .16 24	1.8 .08 12	0.4 .01 1	0.0	34 .56 82	4.6 .10 15	0.8 .02 3	0.2	0.1	.04	12	--	29 1		
06/17/55 0850	5000 5050	45.55 929	8.9 64	32 64	F C	7.1 7.3	66	9.8 .49 74	1.1 .09 13	2.2 .10 15	0.6 .02 3	0.0	36 .59 89	--	0.3 .01 1	--	--	.00	--	--	29 0		
07/15/55 0740	5000 5050	43.79 272	8.7 97	69 21	F C	7.6 7.3	99	11 .55 55	3.8 .31 31	3.1 .13 13	0.6 .02 2	0.0	50 .82 82	--	0.5 .01 1	--	--	.00	--	--	43 2		
08/19/55 0745	5000 5050	62.30 209	8.2 93	70 21	F C	7.4 7.3	116	12 .60 51	4.9 .40 34	3.3 .14 12	0.8 .02 1	0.0	62 1.02 87	--	1.5 .04 3	--	--	.14	--	--	50 0		
09/16/55 0900	5000 5050	61.48 54	8.7 95	67 19	F C	7.6 7.2	150	18 .90 59	5.4 .44 29	3.7 .16 11	0.9 .02 1	0.0	73 1.20 79	14 .29 19	1.0 .03 2	0.2	0.1	.14	20	--	67 7		
10/13/55 1545	5000 5050	61.69 130	9.7 107	68 20	F C	7.8 7.1	131	14 .70 53	6.0 .49 37	3.7 .16 12	0.7 .02 1	0.0	67 1.10 83	--	0.3 .01	--	--	.00	--	--	60 5		
11/18/55 0850	5000 5050	62.90 471	10.8 98	52 11	F C	7.7 7.0	138	16 .80 57	4.5 .37 26	4.2 .18 13	0.8 .02 1	0.0	70 1.15 83	--	1.5 .04 2	--	--	.00	--	--	59 2		
12/16/55 0920	5000 5050	63.39 692	12.1 104	48 9	F C	7.8 6.8	112	13 .65 58	3.8 .31 27	3.6 .16 14	0.7 .02 1	0.0	57 .93 83	--	1.5 .04 3	--	--	.09	--	--	48 2		
01/16/56 1020	5000 5050	332.00	12.4 107	48 9	F C	7.5 6.8	52	5.4 .27 51	1.8 .15 28	1.6 .07 13	0.6 .02 3	0.0	27 .44 84	--	0.5 .01 1	--	--	.00	--	--	21 0		
02/06/56 1230	5000 5050	4450	12.2 105	48 9	F C	7.8 6.8	68	9.5 .47 69	1.2 .10 14	2.4 .10 14	0.4 .01 1	0.0	36 .59 86	--	0.0	--	--	.01	--	--	29 0		
03/12/56 1140	5000 5050	3510	12.0 101	46 8	F C	7.8 6.8	76	8.8 .44 57	2.4 .20 26	2.6 .11 14	0.6 .02 2	0.0	40 .66 86	--	0.0	--	--	.01	--	--	32 0		
04/09/56 1145	5000 5050	71.96 4080	11.0 101	53 12	F C	7.6 7.0	72	8.5 .42 58	2.2 .18 25	2.3 .10 13	0.5 .01 1	0.0	43 .71 98	--	0.0	--	--	.00	--	--	30 0		
05/07/56 1050	5000 5050	54.70 10200	11.5 105	52 11	F C	7.0 6.8	52	6.8 .34 63	1.5 .12 22	1.6 .07 13	0.4 .01 2	0.0	31 .51 94	0.0	1.0 .03 6	0.0	0.0	.00	12	--	23 0		
06/11/56 1300	5000 5050	5540	10.0 103	62 17	F C	7.3 7.3	46	6.0 .30 65	1.2 .10 21	1.5 .07 15	0.4 .01 2	0.0	29 .48 104	--	0.4 .01 2	--	--	.01	--	--	20 0		
07/16/56 1100	5000 5050	340	9.0 102	70 21	F C	7.4 7.3	81	9.6 .48 59	5.1 .42 51	2.5 .11 13	0.7 .02 2	0.0	45 .74 91	--	0.2 .01 1	--	--	.00	--	--	45 8		
08/13/56 1030	5000 5050	349	8.9 100	69 21	F C	7.6 7.5	107	13 .65 60	3.5 .29 27	2.8 .12 11	0.9 .02 1	0.0	58 .95 88	--	0.0	--	--	.00	--	--	47 0		
09/17/56 1040	5000 5050	45.30 403	9.0 101	69 21	F C	7.5 7.3	117	14 .70 53	5.1 .42 32	3.7 .16 12	1.0 .03 2	0.0	67 1.10 86	7.7 .16 13	0.8 .02 2	0.0	0.1	.02	17	--	56 1		
10/15/56 1110	5000 5050	425	9.9 102	62 17	F C	7.5 7.3	131	16 .80 61	4.2 .35 26	3.7 .16 12	0.7 .02 1	0.0	73 1.20 91	--	1.3 .04 3	--	--	.00	--	--	57 0		
11/21/56 1220	5000 5050	45.27 542	11.4 101	50 10	F C	7.6 6.8	112	13 .65 58	4.3 .35 31	2.8 .12 10	0.7 .02 1	0.0	61 1.00 89	--	1.8 .05 4	--	--	.00	--	--	50 0		
12/10/56 1115	5000 5050	45.25 548	12.3 100	44 7	F C	7.7 7.3	115	13 .65 56	4.5 .37 32	3.2 .14 12	0.8 .02 1	0.0	66 1.08 93	--	1.0 .03 2	--	--	.04	--	--	51 0		
01/10/57 1120	5000 5050	45.46 650	13.0 97	38 3	F C	7.1 7.3	118	14 .70 59	4.1 .34 28	3.1 .13 11	0.5 .01	0.0	60 .98 83	--	1.5 .04 3	--	--	.00	--	--	52 3		
02/13/57 1240	5000 5050	45.69 782	12.4 106	47 8	F C	7.6 7.2	111	13 .65 58	4.3 .35 31	3.6 .16 14	0.5 .01	0.0	58 .95 85	--	2.3 .06 6	--	--	.00	--	--	50 3		



TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.H. U	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER							
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS SUM	TH NCH		
AO 6120.00																						
YUBA RIVER AT MARYSVILLE																						
CONTINUED																						
03/12/57 0915	5000 5050	59.75 6570	11.7 102	49 9	F C	7.4 7.1	56	5.2 .26 46	3.6 .30 53	1.5 .07 12	0.7 .02 3	0.0	29 .48 85	--	0.5 .01 1	--	--	.02	--	--	28 4	
04/08/57 1110	5000 5050	47.45 2510	10.9 102	54 12	F C	7.4 7.3	71	8.8 .44 61	2.6 .21 29	2.0 .09 12	0.4 .01 1	0.0	41 .67 94	--	0.3 .01 1	--	--	.00	--	--	32 0	
05/06/57 1245	5000 5050	46.75 3450	9.8 101	62 17	F C	7.5 7.3	72	8.7 .43 61	1.9 .16 23	2.4 .10 14	0.4 .01 1	0.0	37 .61 87	2.9 .06 9	1.0 .03 4	0.0	0.1	.00	14	--	30 0	
06/10/57 1130	5000 5050	47.39 3470	9.6 101	64 18	F C	7.0 7.3	53	7.4 .37 69	1.3 .11 20	1.7 .07 13	1.0 .03 5	0.0	25 .41 77	--	2.2 .06 11	--	--	.06	--	--	24 4	
07/08/57 0945	5000 5050	43.59 310	8.8 99	69 21	F C	6.9 7.3	87	-- --	-- --	2.4 .10 11	-- --	0.0	41 .67 77	--	0.8 .02 2	--	--	.11	--	--	39 6	
08/12/57 1030	5000 5050	43.06 258	7.4 86	72 22	F C	7.6 7.4	112	-- --	-- --	3.2 .14 12	-- --	0.0	57 .93 83	--	1.0 .03 2	--	--	.00	--	--	53 7	
09/16/57 1045	5000 5050	42.99 251	8.0 90	69 21	F C	7.4 7.5	126	14 .70 53	5.1 .42 32	3.8 .17 13	1.3 .03 2	0.0	64 1.05 80	11 .23 17	1.5 .04 3	0.1	0.1	.00	21	--	56 4	
10/22/57 1140	5000 5050	44.16 420	9.5 98	62 17	F C	7.5 7.5	130	-- --	-- --	3.8 .17 13	-- --	0.0	68 1.12 86	--	1.5 .04 3	--	--	.03	--	--	59 3	
11/12/57 1030	5000 5050	43.97 440	10.0 96	56 13	F C	7.7 7.3	121	-- --	-- --	3.5 .15 12	-- --	0.0	62 1.02 84	--	2.5 .07 5	--	--	.00	--	--	55 4	
12/20/57 1350	5000 5050	47.32 2100	11.3 99	49 9	F C	7.5 7.3	103	-- --	-- --	3.3 .14 13	-- --	0.0	52 .85 82	--	2.5 .07 6	--	--	.00	--	--	46 4	
01/17/58 0835	5000 5050	46.41 1660	11.6 97	46 8	F C	7.4 7.3	92	-- --	-- --	2.9 .13 14	0.7 .02 2	0.0	49 .80 86	--	1.0 .03 3	--	--	.15	--	--	39 0	
02/18/58 1030	5000 5050	55.93 10400	11.7 102	49 9	F C	7.3 7.2	62	-- --	-- --	4.1 .18 29	-- --	0.0	30 .49 79	--	1.2 .03 4	--	--	.00	--	--	26 2	
03/11/58 1055	5000 5050		11.8 100	47 8	F C	7.3 7.3	67	-- --	-- --	2.0 .09 13	-- --	0.0	33 .54 80	--	2.0 .06 8	--	--	.00	--	--	28 1	
04/15/58 1030	5000 5050	54.20 9000	11.0 103	54 12	F C	7.4 7.3	67	-- --	-- --	2.2 .10 14	-- --	0.0	35 .57 85	--	1.0 .03 4	--	--	.04	--	--	30 2	
05/12/58 1105	5000 5050		11.4 105	53 12	F C	7.1 7.1	48	6.0 .30 58	1.5 .12 23	1.8 .08 15	0.7 .02 4	0.0	24 .39 78	3.8 .08 16	1.0 .03 6	0.3	0.1	.01	12	--	21 2	
06/16/58 1115	5000 5050	51.25 6570	9.8 100	61 16	F C	7.4 7.3	46	-- --	-- --	1.6 .07 15	-- --	0.0	24 .39 84	--	1.0 .03 6	--	--	0.0	--	--	21 2	
07/14/58 0920	5000 5050	44.60 610	8.2 102	79 26	F C	7.5 7.3	70	-- --	-- --	1.9 .08 11	-- --	0.0	33 .54 77	--	1.8 .05 7	--	--	0.1	--	--	26 0	
08/11/58 0900	5000 5050	43.70 95	8.1 95	73 23	F C	7.6 7.6	99	-- --	-- --	2.7 .12 12	-- --	0.0	48 .79 79	--	3.0 .08 8	--	--	0.0	--	--	43 4	
09/08/58 0930	5000 5050	44.11 430	7.8 91	73 23	F C	7.8 7.3	114	14 .70 56	4.4 .36 29	3.0 .13 10	1.8 .05 4	0.0	62 1.02 85	5.8 .12 10	2.1 .06 5	0.2	0.0	0.1	17	--	53 2	
10/16/58 1445	5000 5050	43.61 282	9.6 108	69 21	F C	7.8 7.1	126	-- --	-- --	3.4 .15 11	-- --	0.0	66 1.08 85	--	2.5 .07 5	--	--	0.0	--	--	56 2	
11/03/58 1120	5000 5050		10.6 112	64 18	F C	7.8 7.5	178	-- --	-- --	4.0 .17 9	-- --	0.0	84 1.38 77	--	4.0 .11 6	--	--	0.0	--	--	80 11	
12/19/58 1140	5000 5050	60.75 278	11.2 101	51 11	F C	7.7 7.3	124	-- --	-- --	3.3 .14 11	-- --	0.0	62 1.02 82	--	3.0 .08 6	--	--	0.1	--	--	60 9	
01/08/59 1430	5000 5050	61.35 700	11.4 101	50 10	F C	7.4 7.1	127	-- --	-- --	3.5 .15 11	-- --	0.0	62 1.02 80	--	3.5 .10 7	--	--	0.0	--	--	57 6	
02/09/59 0930	5000 5050	45.44 1000	11.5 96	46 8	F C	7.6 7.3	93	-- --	-- --	2.9 .13 13	-- --	0.0	44 .72 77	--	2.0 .06 6	--	--	0.0	--	--	42 6	
03/11/59 0900	5000 5050	63.66 2630	10.9 94	48 9	F C	7.3 7.2	75	-- --	-- --	2.0 .09 12	-- --	0.0	37 .61 81	--	2.5 .07 9	--	--	0.0	--	--	31 1	

TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAH SAMPLER	G.H. J	DO SAT	TEMP	PH LAH FLD	EC LAH FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS SUM	TH NCH	
AU 6120.00      YUBA RIVER AT MARYSVILLE      CONTINUED																					
04/14/59	5000	47.10	17.2	58	F	7.6	69	--	--	1.9	--	0.0	.35	--	1.5	--	--	0.0	--	--	32
1305	5050	2480	100	14	C	7.3				.78			.57		.04						4
										11			.82		.5						
05/12/59	5000	62.50	9.7	64	F	7.5	76	9.6	2.2	2.2	0.1	0.0	.38	2.9	2.5	0.0	0.1	0.0	14	--	33
1235	5050	1310	103	18	C	7.3		.48	.18	.10			.62	.06	.07					52	2
								.63	.24	.13			.83	.8	.9						
06/09/59	5000	54.43	9.4	68	F	7.8	91	--	--	2.8	--	0.0	.44	--	1.8	--	--	0.0	--	--	41
1500	5050	300	104	20	C	7.3				.12			.72		.05						5
										.13			.79		.5						
07/07/59	5000		4.7	71	F	8.0	162	--	--	5.0	--	0.0	.80	--	2.0	--	--	0.1	--	--	76
0945	5050	30	100	22	C	7.5				.22			1.31		.06						11
										.13			.80		.3						
08/07/59	5000	59.68	9.5	83	F	8.2	154	--	--	4.5	--	0.0	.76	--	1.0	--	--	0.0	--	--	70
1240	5050	28	111	20	C	7.7				.20			1.25		.03						8
										.12			.81		.1						
09/01/59	5000	59.96	9.2	80	F	7.9	165	19	6.4	4.1	1.0	0.0	.76	17	2.0	0.4	0.1	0.0	20	--	74
1250	5050	51	103	27	C	7.7		.95	.53	.18	.03		1.25	.35	.06	.01				107	12
								.56	.31	.11	.2		.75	.21	.4	.1					
10/14/59	5000	59.97	4.7	71	F	7.7	146	--	--	4.5	--	0.0	.72	--	4.5	--	--	0.0	--	--	68
1615	5050	62	100	22	C	7.7				.20			1.18		.13						9
										.13			.80		.8						
11/13/59	5000	59.72	9.7	63	F	7.6	204	--	--	5.9	--	0.0	.96	--	2.0	--	--	.00	--	--	96
1000	5050	23	101	17	C	7.5				.26			1.57		.06						18
										.12			.76		.2						
12/03/59	5000	59.82	10.8	55	F	7.5	169	--	--	4.9	--	0.0	.81	--	3.0	--	--	0.0	--	--	77
1305	5050	65	102	13	C	7.3				.21			1.33		.08						11
										.12			.78		.4						
01/06/60	5000	61.50	12.0	46	F	7.9	142	--	--	3.6	--	0.0	.69	--	2.0	--	--	0.1	--	--	66
1440	5050	245	101	8	C	7.7				.16			1.13		.06						10
										.11			.79		.4						
02/12/60	5000	65.30	11.7	48	F	6.7	55	--	--	1.5	--	0.0	.22	--	3.5	--	--	0.2	--	--	23
1230	5050	5720	101	9	C	7.2				.07			.36		.10						5
										.12			.65		.18						
03/03/60	5000	63.13	11.4	48	F	7.1	69	--	--	2.2	--	0.0	.32	--	2.0	--	--	0.0	--	--	31
1630	5050	1700	98	9	C	7.1				.10			.52		.06						5
										.14			.75		.8						
04/04/60	5000	64.57	10.4	58	F	8.1	62	--	--	1.5	--	0.0	.38	--	0.8	--	--	0.0	--	--	29
1500	5050	4630	102	14	C	6.8				.07			.62		.02						0
										.11			1.00		.3						
05/05/60	5000	63.87	10.2	54	F	7.4	68	7.6	3.2	1.9	0.3	0.0	.38	3.0	1.5	0.1	0.0	0.1	15	--	32
0830	5050	2376	95	12	C	7.3		.38	.26	.08	.01		.62	.06	.04					51	1
								.52	.36	.11	.1		.86	.8	.6						
06/03/60	5000	63.83	8.9	62	F	7.2	62	--	--	1.5	--	0.0	.34	--	0.8	--	--	0.0	--	--	27
0755	5050	2750	92	17	C	7.1				.07			.56		.02						0
										.11			.90		.3						
07/07/60	5000	59.27	7.9	80	F	7.7	126	--	--	2.4	--	0.0	.63	--	3.0	--	--	0.0	--	--	56
1255	5050	120	100	27	C	7.3				.10			1.03		.08						5
										.7			.81		.6						
08/12/60	5000	61.03	7.7	83	F	7.4	150	--	--	3.8	--	0.0	.72	--	0.0	--	--	0.0	--	--	76
1430	5050	60	100	28	C	7.3				.17			1.18								17
										.11			.78								
09/14/60	5000	61.66	8.7	79	F	7.8	118	13	5.0	3.7	0.6	0.0	.64	8.8	1.5	0.0	0.0	0.0	16	--	53
1530	5050	228	109	26	C	7.6		.65	.41	.16	.02		1.05	.18	.04					80	1
								.52	.33	.13	.2		.83	.14	.3						
10/03/60	5000	61.48	8.3	70	F	7.9	134	--	--	3.5	--	0.0	.68	--	3.0	--	--	0.0	--	--	64
1020	5050	156	94	21	C	7.3				.15			1.12		.08						8
										.11			.83		.5						
11/03/60	5000	60.56	9.2	62	F	7.9	169	--	--	3.9	--	0.0	.79	--	1.5	--	--	0.0	--	--	77
1500	5050	28	95	17	C	7.3				.17			1.30		.04						12
										.10			.76		.2						
12/19/60	5000	62.25	11.2	49	F	7.8	113	--	--	4.5	--	0.0	.64	--	2.0	--	--	0.0	--	--	51
1025	5050	624	98	9	C	7.3				.20			1.05		.06						0
										.17			.92		.5						
01/04/61	5000	62.15	11.5	44	F	7.6	109	--	--	2.7	--	0.0	.56	--	1.2	--	--	0.0	--	--	48
1040	5050	492	94	7	C	7.1				.12			.92		.03						2
										.11			.84		.2						
02/09/61	5000	62.85	11.3	50	F	7.9	104	--	--	3.0	--	0.0	.55	--	0.0	--	--	0.1	--	--	46
1230	5050	2280	100	10	C	7.3				.13			.90								1
										.12			.86								
03/14/61	5000	62.69	11.3	50	F	7.8	89	--	--	2.2	--	0.0	.44	--	1.5	--	--	0.0	--	--	39
0940	5050	1260	100	13	C	7.3				.10			.72		.04						3
										.11			.80		.4						
04/05/61	5000	64.01	9.8	58	F	7.9	78	--	--	1.1	--	0.0	.40	--	2.0	--	--	0.0	--	--	36
1305	5050	3620	96	14	C	7.3				.05			.66		.06						3
										.6			.84		.7						



TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.M. U	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER							
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SiO2	TDS SUM	TH NCH		
				AO 6120.00			YUBA RIVER AT MARYSVILLE				CONTINUED											
05/04/61 0630	5000 5050	62.94 1770	10.1 93	53 12	F C	7.8 7.3	78	9.1 .45 57	2.9 .24 30	2.0 .09 11	0.4 .01 1	0.0	39 .64 83	3.6 .07 9	2.0 .06 8	0.0	0.0	0.0	12	-- 51	34 2	
06/12/61 1000	5000 5050	62.32 900	9.2 97	64 18	F C	7.5 7.3	76	--	--	2.1 .09 11	--	0.0	42 .69 90	--	0.8 .02 2	--	--	0.0	--	--	33 0	
07/07/61 1100	5000 5050	61.72 71	8.8 105	75 24	F C	7.9 7.3	118	--	--	3.0 .13 11	--	0.0	56 .92 77	--	1.5 .04 3	--	--	0.0	--	--	52 6	
08/14/61 1415	5000 5050	60.52 45	8.0 99	78 26	F C	8.0 7.4	146	--	--	3.7 .16 10	--	0.0	70 1.15 78	--	2.5 .07 4	--	--	0.0	--	--	69 12	
09/12/61 1220	5000 5050	60.32 34	8.3 101	77 25	F C	8.0 7.6	166	20 1.00 59	6.6 .54 32	3.3 .14 8	0.5 .01 1	0.0	76 1.25 75	17 .35 21	2.5 .07 4	0.1	0.1	0.0	20	-- 107	77 15	
10/04/61 1445	5000 5050	61.32 21	9.1 108	74 23	F C	7.9 7.4	188	--	--	4.1 .18 9	--	0.0	84 1.38 73	--	1.0 .03 1	--	--	0.0	--	--	86 17	
11/14/61 1045	5000 5050	61.14 175	10.4 97	54 12	F C	7.9 7.5	142	--	--	3.2 .14 9	--	0.0	73 1.20 84	--	1.8 .05 3	--	--	0.1	--	--	64 4	
12/12/61 1310	5000 5050	61.67 468	12.5 108	48 9	F C	7.8 7.6	127	--	--	3.2 .14 11	--	0.0	61 1.00 78	--	3.6 .10 7	--	--	0.0	--	--	57 7	
01/04/62 1430	5000 5050	61.74 524	12.4 104	46 8	F C	7.9 7.3	113	--	--	2.5 .11 9	--	0.0	57 .93 82	--	1.8 .05 4	--	--	0.1	--	--	57 11	
02/08/62 1030	5000 5050	62.23 1010	11.4 98	48 9	F C	8.0 7.3	111	--	--	3.7 .16 14	--	0.0	52 .85 76	--	3.1 .09 8	--	--	0.0	--	--	50 8	
03/15/62 1130	5000 5050	63.48 2460	11.7 100	47 8	F C	7.7 7.3	76	--	--	2.2 .10 13	--	0.0	38 .62 81	--	7.0 .20 26	--	--	0.1	--	--	38 7	
04/05/62 1100	5000 5050	64.40 4830	11.5 106	53 12	F C	7.8 7.4	76	--	--	2.7 .12 15	--	0.0	38 .62 81	--	2.0 .06 7	--	--	0.0	--	--	35 4	
05/15/62 1015	5000 5050	63.43 2600	11.1 106	56 13	F C	7.6 7.2	54	6.4 .32 58	1.7 .14 25	1.9 .08 15	0.3 .01 2	0.0	28 .46 87	2.0 .04 8	1.0 .03 6	0.2	0.0	0.0	15	-- 42	23 0	
06/11/62 1000	5000 5050	63.56 2920	10.0 103	62 17	F C	7.4 7.2	57	--	--	2.0 .09 15	--	0.0	28 .46 80	--	2.8 .08 14	--	--	0.0	--	--	25 2	
07/02/62 0950	5000 5050	61.33 420	8.6 96	69 21	F C	7.4 7.3	76	--	--	2.6 .11 14	--	0.0	37 .61 80	--	1.0 .03 3	--	--	0.0	--	--	32 2	
08/14/62 1430	5000 5050	60.59 46	8.3 106	81 27	F C	7.4 7.4	153	--	--	4.9 .21 13	--	0.0	74 1.21 79	--	2.2 .06 3	--	--	0.0	--	--	73 13	
09/10/62 1245	5000 5050	61.10 125	9.0 104	71.5F 21.9C	F C	7.9 7.5	127	14 .70 51	6.0 .49 36	3.6 .16 12	0.5 .01 1	0.0	66 1.08 79	11 .23 17	1.8 .05 4	0.0	0.1	0.1	17	83 86	60 6	
10/01/62 1255	5000 5050	61.33 193	9.0 104	72 22	F C	7.7 7.3	129	--	--	3.7 .16 12	--	0.0	67 1.10 85	--	1.0 .03 2	--	--	0.0	--	--	57 2	
11/01/62 1115	5000 5050	62.12 814	10.0 98	58 14	F C	7.3 7.1	74	--	--	2.3 .10 13	--	0.0	36 .59 79	--	1.8 .05 6	--	--	0.0	--	--	32 3	
12/03/62 1230	5000 5050	68.39 13100	11.6 106	52 11	F C	7.3 7.3	82	--	--	3.0 .13 15	--	0.0	41 .67 81	--	2.2 .06 7	--	--	0.0	--	--	35 2	
01/02/63 1120	5000 5050	62.38 1280	12.0 98	44 7	F C	7.7 7.2	79	--	--	2.4 .10 12	--	0.0	40 .66 83	--	1.2 .03 3	--	--	0.1	--	--	35 2	
02/01/63 1245	5000 5050			50 10	F C	7.4	41	3.6 .18 42	2.2 .18 42	1.7 .07 16	--	0.0	19 .31 72	3.0 .06 14	1.3 .04 9	1.4 .02 5	0.2	0.0	0.0	8.6	51 31	18 3
02/05/63 1045	5000 5050	67.85 11600	11.7 104	50 10	F C	7.2 7.1	51	--	--	2.0 .09 17	--	0.0	26 .43 84	--	2.0 .06 11	--	--	0.0	--	--	21 0	
03/05/63 1300	5000 5050	62.60 1620	11.7 107	52 11	F C	7.8 7.3	82	--	--	1.7 .07 8	--	0.0	44 .72 87	--	1.5 .04 4	--	--	0.1	--	--	36 0	
04/02/63 1300	5000 5050	64.47 4300	11.4 107	54 12	F C	7.7 7.3	79	--	--	2.7 .12 15	--	0.0	41 .67 84	--	1.2 .03 3	--	--	0.1	--	--	34 1	





TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLE	G.M. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					TH NCH	
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS SUM		
AU 6120.00 YUBA RIVER AT MARYSVILLE CONTINUED																					
05/11/67	5050		11.2	54 F	7.6	76	--	--	2.0	--	0.0	36	--	0.6	--	--	0.0	--	--	30	
1100	5050		10.5	12 C	7.3	80			.09			.59		.02						1	
									11			.77		.2							
05/19/67	5050			60 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1230	5050			16 C	7.3																
07/13/67	5050		9.7	59 F	8.2	127	--	--	3.9	--	0.0	62	--	2.2	--	--	0.0	--	--	52	
1030	5050		9.6	15 C	7.3			.17				1.02		.06						1	
								13				.80		.4							
09/25/67	5050		8.9	70 F	7.9	125	--	--	3.6	--	0.0	62	--	1.7	--	--	0.0	--	--	53	
1200	5050		10.1	21 C	7.3	130			.16			1.02		.05						2	
								12				.81		.4							
03/12/68	5050	62.13	10.1	49 F	7.5	71	8.0	2.4	2.2	--	0.0	36	--	0.0	--	--	--	--	--	30	
1330	5050	3180	8.8	9 C	7.3	80	.40	.20	.10			.59								1	
							56	2.4	1.4			.83									
04/23/68	5050	61.00	11.0	50 F	7.8	84	9.0	2.8	2.4	0.4	0.0	43	2.0	1.2	0.0	--	.00	--	46	34	
1215	5050	1360	11.1	13 C	7.3	90	.45	.23	.10	.01		.71	.04	.03					39	0	
							57	2.9	1.3	1		.91	.5	.4							
07/17/68	5050		8.9	79 F	9.6	294	15	4.7	4.1	--	18	24	--	1.6	--	--	--	--	--	57	
1230	5050	43	11.1	26 C	7.7	120	.75	.39	.18		.60	.39		.05						8	
							25	1.3	.6			.20	.13		1						
09/05/68	5050	40.42	9.4	80 F	8.1	143	15	7.4	4.0	--	0.0	69	--	1.9	--	--	--	--	--	68	
1415	5050	52	11.9	27 C	8.0	140	.75	.61	.17			1.13		.05						12	
							52	4.2	1.1			.79		.3							
AO 6170.01 YUBA RIVER AT DAGUERRE POINT																					
04/23/68	5050		11.5	56.5F	7.7	79	8.6	2.6	2.2	--	0.0	40	--	1.1	--	--	--	--	--	32	
1315	5050		11.1	13.5C	7.7	85	.43	.21	.10			.66		.03						0	
							54	2.6	1.2			.83		.3							
AU 6205.01 DRY CREEK AT BROWNS VALLEY																					
02/28/57	5000		--	7.3	90	8.8	3.9	3.7	0.4	0.0	48	2.9	2.0	0.5	0.0	.02	18	--	38		
1730	5050					.44	.32	.16	.01		.79	.05	.06	.01					64	0	
						47	3.4	1.7	1		.86	.7	.7	1							
10/22/57	5050		11.8	65 F	8.2	231	17	15	9.0	1.4	0.0	130	13	5.9	1.2	0.3	.04	23	--	104	
1430	5050		12.6	10 C	8.3		.85	1.23	.39	.04		2.13	.27	.17	.02				150	0	
							34	4.9	1.6	2		.82	1.0	.7	1						
04/23/68	5050		11.4	62.5F	8.3	247	21	13	9.5	0.5	0.0	134	8.4	5.4	0.4	--	0.1	--	126	108	
1345	5050		11.4	16.9C	7.7	250	1.05	1.07	.41	.01		2.20	.17	.15	.01				124	0	
							41	4.2	1.6			.87	.7	.6							
AU 6300.00 YUBA RIVER AT PARKS BAR BRIDGE																					
04/10/51	5000		10.8	54.5F	7.1	68	--	--	1.8	--	--	38	--	2.8	--	--	--	--	--	28	
0950	5050	5640	10.2	12.5C	7.5			.08				.62		.08						0	
								11				.91		.11							
05/08/51	5000		10.6	51.8F	7.5	60	7.3	2.2	1.5	0.5	0.0	33	3.1	1.0	0.0	--	.20	13	--	27	
0850	5050		9.6	11.0C	7.4		.36	.18	.07	.01		.54	.06	.03					45	0	
							58	2.9	1.1	2		.86	1.0	.5							
06/16/51	5000		8.8	65.3F	--	72	--	--	--	--	--	38	--	0.0	--	--	--	--	--	28	
0905	5050	1159	9.5	18.5C	7.7							.62								0	
												.86									
07/10/51	5000		8.7	66.9F	7.5	96	--	--	--	--	--	46	--	0.0	--	--	--	--	--	36	
1000	5050	508	9.5	19.4C	7.4							.75								0	
												.78									
08/14/51	5000		8.0	70 F	7.3	120	--	--	--	--	--	56	--	4.0	--	--	--	--	--	56	
0900	5050	726	9.1	21 C	7.4							.92		.11						10	
												.76		.9							
09/11/51	5000		8.5	75.2F	6.8	124	15	3.9	4.1	0.6	0.0	65	7.2	2.2	1.2	0.0	.03	15	--	54	
1445	5050	690	10.2	24.0C	7.4		.75	.32	.18	.02		1.07	.15	.06	.02				81	1	
							59	2.5	1.4	2		.82	.12	.5	.2						
10/09/51	5000		8.9	66.2F	7.5	131	--	--	4.0	--	0.0	68	--	2.0	--	--	--	--	--	57	
0900	5050	679	9.7	19.0C	6.8			.17				1.12		.06						1	
								12				.85		.4							
11/13/51	5000		12.5	55.4F	7.1	130	--	--	5.7	--	0.0	60	--	3.8	--	--	--	--	--	56	
1400	5050	686	11.9	13.0C	7.2			.25				.98		.11						7	
								1.9				.75		.8							
12/13/51	5050		14.0	31.9F	--	93	--	--	--	--	0.0	34	--	0.0	--	--	--	--	--	34	
0930	5050	1770	11.6	7.3C	6.7							.56								6	
												.60									
01/08/52	5000		12.3	31.9F	6.7	78	--	--	--	--	0.0	36	--	2.0	--	--	--	--	--	34	
1030	5050	3114	9.7	5.5C	7.2							.59		.06						5	
												.75		.7							



TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLO	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TUS SUM	TH MCM
		AO 6300.00		YUBA RIVER AT PARKS BAR BRIDGE										CONTINUED						
02/13/52 1145	5000 5050	1454	12.8 107	31.9F 7.5C	7.1 8.0	62	6.4 .32 49	2.4 .20 31	2.6 .11 17	0.8 .02 3	0.0	32 .52 83	3.3 .07 11	1.5 .04 6	0.1	0.0	.39	15	-- 48	26 0
03/12/52 1345	5000 5050	4005	12.2 106	31.9F 9.0C	7.7 7.8	73	--	--	2.1 .09 12	--	0.0	.38 .62 84	--	1.5 .04 5	--	--	--	--	--	31 0
04/15/52 0900	5000 5050	1290	12.2 108	50.0F 10.0C	-- 8.4	66	--	--	--	--	--	32 .52 78	--	1.0 .03 4	--	--	--	--	--	28 2
05/12/52 1230	5000 5050	922	13.4 125	53.6F 12.0C	7.4 7.6	47	5.4 .27 59	1.6 .13 28	1.1 .05 11	0.4 .01 2	0.0	25 .41 87	2.2 .05 11	0.4 .01 2	0.1	0.0	.02	11	-- 34	20 0
06/10/52 0900	5000 5050	12067	11.0 100	51.8F 11.0C	7.3 7.2	44	--	--	--	--	0.0	22 .36 81	--	0.0	--	--	--	--	--	17 0
07/07/52 1100	5000 5050	4321	9.0 97	65.3F 18.5C	7.1 7.8	54	--	--	--	--	0.0	26 .43 79	--	0.0	--	--	--	--	--	26 5
08/15/52 1500	5000 5050	725	8.6 98	70.8F 21.6C	7.4 7.4	77	--	--	--	--	0.0	40 .66 85	--	0.0	--	--	--	--	--	28 0
09/12/52 1300	5000 5050	720	65.3F 18.5C	7.4 7.6	104	--	--	--	--	0.0	57 .93 89	--	0.6 .02 1	--	--	--	--	--	--	46 0
10/02/52 0400	5000 5050	695	8.0 92	72 F 22 C	7.4	108	14 .70 60	3.4 .28 24	3.6 .16 14	1.1 .03 3	0.0	57 .93 82	6.0 .12 11	2.8 .08 7	0.0	0.1	.04	16	-- 75	49 3
10/22/52 1545	5000 5050	656	9.6 105	67.1F 19.5C	7.7 7.7	86	14 .70 57	3.9 .32 26	4.1 .18 15	0.7 .02 2	0.0	61 1.00 84	6.3 .13 11	2.2 .06 5	0.0	0.0	.11	15	-- 76	51 1
11/17/52 1100	5000 5050	628	11.1 103	53.6F 12.0C	7.4 7.3	108	--	--	--	--	0.0	52 .85 78	--	1.0 .03 2	--	--	--	--	--	42 0
12/12/52 1230	5000 5050	708	11.2 95	31.9F 8.0C	7.4 7.3	114	--	--	--	--	0.0	52 .85 74	--	0.0	--	--	--	--	--	45 3
01/14/53 1030	5000 5050	8836	12.1 102	31.9F 8.0C	7.4 7.4	48	5.9 .29 60	1.8 .15 31	1.6 .07 14	0.6 .02 4	0.0	28 .46 95	--	1.5 .04 8	--	--	--	--	--	22 0
02/18/53 1100	5000 5050	1667	11.3 93	31.9F 7.0C	7.4 7.3	66	7.7 .38 57	2.6 .21 31	2.0 .09 13	0.4 .01 1	0.0	37 .61 92	--	0.7 .02 3	--	--	--	--	--	30 0
03/12/53 1300	5000 5050	12950	10.0 91	51.8F 11.0C	7.6 7.4	72	9.2 .46 63	2.2 .18 25	2.0 .09 12	--	0.0	40 .66 91	--	2.0 .06 8	--	--	0.0	--	--	32 0
04/23/53 1000	5000 5050	3870	11.5 107	53.6F 12.0C	7.4 7.3	67	7.8 .39 58	2.3 .19 28	2.0 .09 13	--	0.0	37 .61 91	--	0.9 .03 4	--	--	.04	--	--	29 0
05/15/53 1100	5000 5050	4138	11.4 106	53.6F 12.0C	7.7 7.4	57	6.3 .31 49	2.5 .21 33	2.2 .10 16	0.4 .01 2	0.0	34 .56 86	2.7 .06 9	1.0 .03 5	0.2	0.0	.01	13	-- 45	26 0
06/15/53 1530	5000 5050	6467	11.3 110	57.0F 1.9C	-- 7.5	59	--	--	--	--	0.0	28 .46 77	--	3.0 .08 13	--	--	--	--	--	28 5
07/16/53 1440	5000 5050	1075	9.6 102	64.0F 17.8C	-- 7.4	57	--	--	1.4 .06 10	--	0.0	28 .46 80	--	0.0	--	--	.02	--	--	27 4
08/21/53 1100	5000 5050	726	8.5 100	73.4F 23.0C	7.6 7.3	83	12 .60 72	2.2 .18 21	2.6 .11 13	0.6 .02 2	0.0	49 .80 96	--	1.8 .05 6	--	--	.02	--	--	39 0
09/21/53 1230	5000 5050	694	7.5 88	73.4F 23.0C	7.6 8.0	112	14 .70 59	4.6 .38 32	2.4 .10 8	0.5 .01 1	0.0	58 .95 83	8.2 .17 15	1.2 .03 3	0.0	0.1	.04	14	-- 73	54 7
10/20/53 1645	5000 5050	652	8.3 87	63.5F 17.5C	7.6 7.4	110	14 .70 63	3.6 .30 27	3.0 .13 11	0.6 .02 1	0.0	63 1.03 93	--	1.5 .04 3	--	--	.05	--	--	50 0
11/20/53 1000	5000 5050	716	11.7 106	51.8F 11.0C	-- 7.3	99	--	--	2.8 .12 12	--	0.0	51 .84 84	--	2.0 .06 6	--	--	0.0	--	--	55 13
12/09/53 1215	5000 5050	685	12.0 106	50.0F 10.0C	7.4 7.3	96	13 .65 67	2.5 .21 21	3.1 .13 13	0.6 .02 2	0.0	50 .82 85	--	1.5 .04 4	--	--	.00	--	--	43 2
01/15/54 1140	5000 5050	712	11.5 95	45 F 7 C	7.6 7.3	99	12 .60 60	2.7 .22 22	2.6 .11 11	0.5 .01 1	0.0	53 .87 87	--	2.0 .06 6	--	--	.00	--	--	41 0



TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.M. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	8	SiO2	TDS SUM	TH NCH	
AO 6300.00							YUBA RIVER AT PARKS BAR BRIDGE							CONTINUED							
02/11/54 1100	5000 5050	1367	11.7 100	47 8	F C	7.7 7.0	76	8.4 .42 55	2.7 .22 28	2.0 .09 11	0.4 .01 1	0.0	40 .66 86	--	0.8 .02 2	--	--	.03	--	--	32 0
03/10/54 1200	5000 5050	27261	13.2 114	48 9	F C	7.4 7.2	56	6.6 .33 58	1.8 .15 26	1.2 .05 8	0.4 .01 1	0.0	31 .51 91	--	1.0 .03 5	--	--	.08	--	--	24 0
04/13/54 1500	5000 5050	5085	11.0 99	51 11	F C	7.2 7.3	64	6.4 .32 50	2.4 .20 31	1.6 .07 10	0.3 .01 1	0.0	32 .52 81	--	1.5 .04 6	--	--	.00	--	--	26 0
05/12/54 0930	5000 5050	4726	10.2 101	59 15	F C	7.6 7.3	50	6.2 .31 65	1.3 .11 23	1.1 .05 10	0.3 .01 2	0.0	26 .43 88	3.1 .06 12	0.0	0.2	0.0	.00	11	--	36 0
06/11/54 1145	5000 5050	1444	8.3 90	66 19	F C	7.1 7.3	62	8.1 .40 61	1.9 .16 24	2.0 .09 14	0.4 .01 2	0.0	35 .57 79	4.7 .10 14	1.7 .05 7	--	--	--	--	--	36 0
07/16/54 0900	5000 5050	728	8.7 96	68 29	F C	7.6 7.3	84	7.0 .35 41	4.7 .39 46	2.7 .12 14	0.5 .01 1	0.0	46 .75 89	--	2.5 .07 8	--	--	.07	--	--	37 0
08/12/54 1330	5000 5050	710	8.3 101	77 25	F C	8.0 7.7	107	14 .70 65	2.7 .22 20	3.4 .15 14	1.0 .03 2	0.0	59 .97 90	--	2.0 .06 5	--	--	.03	--	--	46 0
09/23/54 1630	5000 5050	265	8.8 100	70 21	F C	7.7 7.8	123	16 .80 63	3.7 .30 23	3.6 .16 13	0.6 .02 2	0.0	66 1.08 84	6.3 .13 10	2.5 .07 5	0.2	0.2	.00	14	--	79 1
10/14/54 1445	5000 5050	281	9.5 104	67.1F 19.5C	8.0 7.9	130	16 .80 61	3.9 .32 24	5.7 .25 19	0.7 .02 1	0.0	67 1.10 84	--	2.0 .06 4	--	--	.00	16	--	--	56 1
11/11/54 1630	5000 5050	393	10.0 95	55.4F 12.9C	7.8 7.6	125	17 .85 68	3.1 .25 20	3.5 .15 12	0.8 .02 1	0.0	66 1.08 86	--	2.0 .06 4	--	--	.01	--	--	--	55 1
12/08/54 1510	5000 5050	703	11.5 99	48.2F 8.9C	7.6 7.6	101	12 .60 59	3.7 .30 29	2.9 .13 12	0.7 .02 1	0.0	50 .82 81	--	1.8 .05 4	--	--	.03	--	--	--	45 4
01/11/55 1620	5000 5050	791	11.4 91	42.8F 5.9C	7.7 7.4	92	12 .60 65	2.6 .21 22	2.4 .10 10	0.4 .01 1	0.0	48 .79 85	--	1.5 .04 4	--	--	.16	--	--	--	40 1
02/08/55 1415	5000 5050	571	12.5 105	46 8	F C	7.7 7.6	93	11 .55 59	3.5 .29 31	3.0 .13 13	0.5 .01 1	0.0	48 .79 84	--	1.5 .04 4	--	--	.02	--	--	42 3
03/08/55 0945	5000 5050	580	11.7 94	43 6	F C	7.6 7.3	96	12 .60 62	3.4 .28 29	3.2 .14 14	0.6 .02 2	0.0	49 .80 83	--	1.5 .04 4	--	--	.00	--	--	44 4
04/05/55 0830	5000 5050	560	11.3 97	48 9	F C	7.5 7.4	84	7.0 .35 41	4.9 .40 47	2.6 .11 13	0.6 .02 2	0.0	46 .75 89	--	0.6 .02 2	--	--	.00	--	--	37 0
05/12/55 1600	5000 5050		10.5 101	56 13	F C	7.1 7.3	62	7.2 .36 54	2.2 .18 27	2.8 .12 18	0.5 .01 1	0.0	35 .57 86	3.0 .06 9	1.0 .03 5	0.2	0.2	.04	12	--	46 0
06/16/55 1510	5000 5050	736	9.4 105	69 21	F C	7.5 7.5	60	7.2 .36 60	2.7 .22 36	2.2 .10 16	0.5 .01 1	0.0	32 .52 86	--	0.0	--	--	.00	--	--	29 3
07/14/55 1345	5000 5050		8.5 97	71 22	F C	7.7 7.4	75	8.7 .43 57	2.7 .22 29	2.4 .10 13	0.5 .01 1	0.0	42 .69 92	--	0.5 .01 1	--	--	.01	--	--	33 0
08/18/55 1515	5000 5050		8.1 98	76 24	F C	7.6 7.6	101	13 .65 64	3.5 .29 28	3.0 .13 12	0.8 .02 1	0.0	62 1.02 100	--	1.8 .05 4	--	--	.00	--	--	47 0
09/15/55 1500	5000 5050	206	9.1 108	74 23	F C	7.9 7.4	126	18 .90 70	2.6 .21 16	3.5 .15 12	0.9 .02 2	0.0	66 1.08 84	8.2 .17 13	1.5 .04 3	0.1	0.1	.00	17	--	84 1
10/13/55 1430	5000 5050	266	10.0 110	67 19	F C	8.0 7.2	136	16 .80 58	5.3 .44 32	4.1 .18 13	0.7 .02 1	0.0	72 1.18 86	--	1.8 .05 3	--	--	.03	--	--	62 3
11/17/55 1515	5000 5050	618	11.3 101	51 11	F C	7.8 7.3	136	17 .85 62	3.8 .31 22	4.3 .19 13	0.7 .02 1	0.0	70 1.15 84	--	2.1 .06 4	--	--	.00	--	--	58 1
12/15/55 1500	5000 5050	710	11.7 98	46 8	F C	8.0 6.8	103	12 .60 58	3.9 .32 31	3.0 .13 12	0.6 .02 1	0.0	55 .90 87	--	2.5 .07 6	--	--	.03	--	--	46 1
01/16/56 1230	5000 5050	31900	12.7 109	48 9	F C	7.7 6.8	47	5.2 .26 55	1.7 .14 29	1.5 .07 14	0.5 .01 2	0.0	26 .43 91	--	0.2 .01 2	--	--	.03	--	--	20 0
02/06/56 1410	5000 5050	3779	12.2 99	44 7	F C	7.8 6.8	62	8.1 .40 64	1.4 .12 19	2.1 .09 14	0.4 .01 1	0.0	34 .56 90	--	0.0	--	--	.02	--	--	26 0



TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAH SAMPLER	G.H. D	DO SAT	TEMP	PH LA3 FLJ	EC LAB FLU	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TOS SUM	TH NCH
AU 6300.00      YUBA RIVER AT PARKS BAR BRIDGE      CONTINUED																				
03/12/56 1330	5000 5050	3169	12.1 101	46 C	7.9 7.1	70	9.1 .40 57	2.3 .19 27	2.3 .10 14	0.3 .01 1	0.0	.39 .64 91	--	0.0	--	--	.00	--	--	30 0
04/09/56 1400	5000 5050	3616	11.1 102	53 C	7.6 6.9	66	8.8 .44 66	1.6 .13 14	2.0 .09 13	0.5 .01 1	0.0	.40 .66 100	--	0.0	--	--	.01	--	--	28 0
05/07/56 1250	5000 5050	8447	11.1 100	51 C	7.0 6.8	50	6.4 .32 57	2.0 .15 24	1.7 .07 13	0.5 .01 2	0.0	.30 .49 86	3.0 .06 11	0.8 .02 4	0.0	0.0	.00	12	--	24 0
06/11/56 1345	5000 5050	5336	10.3 102	54 C	7.1 7.3	45	5.7 .28 62	1.3 .11 24	1.4 .06 13	0.5 .01 2	0.0	.28 .46 102	--	0.4 .01 2	--	--	.02	--	--	20 0
07/16/56 1230	5000 5050	775	9.1 101	68 C	7.4 7.3	61	7.4 .37 60	1.6 .13 21	2.2 .10 16	0.8 .02 3	0.0	.37 .61 100	--	0.3 .01 1	--	--	.00	--	--	25 0
08/13/56 1145	5000 5050	772	8.8 101	71 C	7.5 7.5	93	13 .65 69	2.1 .17 18	2.6 .11 11	0.9 .02 2	0.0	.54 .89 95	--	0.0	--	--	.00	--	--	41 0
09/17/56 1200	5000 5050	661	9.4 109	72 C	7.4 6.9	113	14 .70 58	4.1 .34 28	3.3 .14 12	0.7 .02 2	0.0	.66 1.08 91	3.8 .08 7	1.0 .03 3	0.0	0.1	.04	18	--	52 0
10/15/56 1255	5000 5050	639	9.9 106	65 C	7.4 7.5	124	16 .80 64	3.4 .28 22	3.7 .16 12	0.9 .02 1	0.0	.70 1.15 92	--	1.2 .03 2	--	--	.00	--	--	54 0
11/20/56 1330	5000 5050	637	12.4 111	51 C	7.4 6.8	102	12 .60 58	4.1 .34 33	2.8 .12 11	0.7 .02 1	0.0	.56 .92 90	--	1.8 .05 4	--	--	.00	--	--	47 1
12/10/56 1240	5000 5050	645	11.3 110	45 C	7.4 7.7	107	13 .65 60	4.3 .35 32	2.9 .13 12	0.8 .02 1	0.0	.63 1.03 96	--	1.0 .03 2	--	--	.09	--	--	50 0
01/10/57 1245	5000 5050	615	13.1 99	34 C	7.3 7.3	115	14 .70 60	3.6 .30 26	3.1 .13 11	0.6 .02 1	0.0	.62 1.02 88	--	1.2 .03 2	--	--	.00	--	--	50 0
02/13/57 1400	5000 5050	716	12.8 106	45 C	7.6 7.3	107	13 .65 60	3.4 .28 26	3.3 .14 13	0.5 .01 1	0.0	.57 .93 86	--	2.8 .08 7	--	--	.00	--	--	46 0
03/12/57 1025	5000 5050	5502	12.0 103	48 C	7.2 7.1	55	5.2 .26 47	3.4 .28 50	1.4 .06 10	0.7 .02 3	0.0	.28 .46 83	--	0.5 .01 1	--	--	.02	--	--	27 4
04/08/57 1225	5000 5050	2462	11.1 105	55 C	7.4 7.3	69	9.8 .44 63	2.8 .23 33	2.1 .09 13	0.4 .01 1	0.0	.40 .66 95	--	0.4 .01 1	--	--	.00	--	--	34 1
05/05/57 1350	5000 5050	4262	10.0 98	58 C	7.5 7.3	68	8.7 .43 65	1.7 .14 21	1.9 .08 12	0.4 .01 2	0.0	.35 .57 86	2.3 .05 8	1.5 .04 6	0.0	0.1	.00	13	--	28 0
06/10/57 1245	5000 5050	1319	9.6 101	64 C	6.9 7.3	49	7.7 .38 77	0.7 .06 12	1.9 .08 16	0.4 .01 2	0.0	.25 .41 83	--	0.9 .03 6	--	--	.11	--	--	22 2
07/08/57 1100	5000 5050	793	9.4 101	65 C	7.1 7.5	67	-- .10 14	-- .10 14	2.2 .10 14	-- .10 14	0.0	.34 .56 83	--	0.7 .02 2	--	--	.09	--	--	31 3
08/12/57 1150	5000 5050	746	8.4 102	76 C	7.4 7.5	108	-- .14 12	-- .14 12	3.2 .14 12	-- .14 12	0.0	.59 .97 89	--	1.5 .04 3	--	--	.00	--	--	57 9
09/16/57 1210	5000 5050	503	8.7 106	77 C	7.7 7.7	122	15 .75 61	3.3 .27 22	3.8 .17 14	1.1 .03 2	0.0	.65 1.07 86	4.8 .10 8	2.6 .07 6	0.2	0.0	.00	19	--	51 0
10/22/57 1300	5000 5050	461	9.9 100	60 C	7.6 7.5	121	-- .15 12	-- .15 12	3.5 .15 12	-- .15 12	0.0	.64 1.05 86	--	2.0 .06 4	--	--	.00	--	--	52 0
11/12/57 1150	5000 5050	511	10.6 99	54 C	7.2 7.3	107	-- .15 14	-- .15 14	3.4 .15 14	-- .15 14	0.0	.54 .89 83	--	1.5 .04 3	--	--	.00	--	--	49 5
12/20/57 1240	5000 5050	2015	11.6 99	47 C	7.5 7.3	103	-- .16 15	-- .16 15	3.7 .16 15	-- .16 15	0.0	.52 .85 82	--	2.5 .07 6	--	--	.17	--	--	47 5
01/15/58 1135	5000 5050	747	12.0 99	45 C	7.1 7.3	83	-- .12 14	-- .12 14	2.7 .12 14	-- .12 14	0.0	.43 .71 85	--	1.0 .03 3	--	--	.02	--	--	36 1
02/18/58 1120	5000 5050	1645	11.8 103	49 C	7.1 7.1	56	-- .13 23	-- .13 23	2.9 .13 23	-- .13 23	0.0	.27 .44 78	--	2.5 .07 12	--	--	.00	--	--	22 0
03/11/58 1250	5000 5050	8744	11.8 100	47 C	7.6 7.3	63	-- .08 12	-- .08 12	1.8 .08 12	-- .08 12	0.0	.33 .54 85	--	2.6 .07 11	--	--	.00	--	--	28 1





TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.M. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HC03	SO4	CL	NO3	F	B	SiO2	TDS SUM	TH NCH	
AD 6300.00																					
YUBA RIVER AT PARKS BAR BRIDGE																					
CONTINUED																					
05/05/60	5000		10.4	55	F	7.6	65	7.1	2.6	1.8	0.3	0.0	36	1.4	1.8	0.0	0.0	0.0	12	--	28
1000	5050	2670	98	13	C	7.3		.35	.21	.08	.01		.59	.03	.05					45	0
								54	32	12	2		88	4	7						
06/03/60	5000		9.2	62	F	7.4	58	--	--	1.3	--	0.0	31	--	0.9	--	--	0.1	--	--	25
0835	5050	3640	95	17	C	7.3				.06			.51		.03						0
										10			87		5						
07/07/60	5000		8.1	71	F	7.6	72	--	--	1.5	--	0.0	43	--	1.0	--	--	0.0	--	--	34
1150	5050		93	22	C	7.3				.07			.71		.03						0
										9			98		4						
08/12/60	5000		7.6	78	F	7.5	107	--	--	2.8	--	0.0	60	--	2.0	--	--	0.0	--	--	61
1300	5050	502	94	26	C	7.3				.12			.98		.06						12
										11			91		5						
09/14/60	5000		8.3	75	F	7.9	117	15	4.1	3.9	0.6	0.0	63	12	1.5	0.0	0.0	0.0	14	--	55
1405	5050		99	24	C	7.5		.75	.34	.17	.02		1.03	.25	.04				82		4
								59	27	13	2		78	19	3						
10/03/60	5000		8.8	71	F	7.9	130	--	--	3.6	--	0.0	64	--	4.0	--	--	0.0	--	--	62
1130	5050	404	101	22	C	7.5				.16			1.05		.11						10
										12			80		8						
11/03/60	5000		9.0	61	F	7.9	131	--	--	3.7	--	0.0	66	--	2.0	--	0.0	0.0	--	--	58
1315	5050		92	16	C	7.3				.16			1.08		.06						4
										12			82		4						
12/08/60	5000		12.2	49	F	7.9	109	--	--	3.1	--	0.0	58	--	1.2	--	--	0.0	--	--	51
1510	5050		107	9	C	7.5				.13			.95		.03						4
										11			87		2						
01/03/61	5000		10.9	46	F	7.8	104	--	--	2.7	--	0.0	54	--	1.8	--	--	0.0	--	--	47
1405	5050	637	91	8	C	7.1				.12			.89		.05						3
										11			85		4						
02/09/61	5000		11.2	48	F	7.9	101	--	--	3.0	--	0.0	52	--	0.0	--	--	0.0	--	--	44
1000	5050	3030	96	9	C	7.3				.13			.85								2
										12			84								
03/14/61	5000		11.1	49	F	7.8	85	--	--	2.2	--	0.0	43	--	1.8	--	--	0.1	--	--	40
0800	5050	1450	97	9	C	7.3				.10			.71		.05						5
										11			83		5						
04/05/61	5000		10.7	55	F	7.8	76	--	--	1.3	--	0.0	39	--	2.5	--	--	0.0	--	--	35
1330	5050	3980	101	13	C	7.3				.06			.64		.07						3
										7			84		9						
05/04/61	5000		10.2	54	F	7.9	74	9.2	2.3	2.4	0.5	0.0	39	4.0	1.6	0.0	0.0	0.0	13	--	32
0745	5050	2260	95	12	C	7.3		.46	.19	.10	.01		.64	.08	.05				52		0
								61	25	13	1		83	10	6						
06/12/61	5000		9.3	63	F	7.7	69	--	--	2.4	--	0.0	40	--	0.2	--	--	0.0	--	--	30
1100	5050	1230	97	17	C	7.3				.10			.66		.01						0
										14			95		1						
07/07/61	5000		9.0	68	F	7.7	74	--	--	2.1	--	0.0	39	--	0.8	--	--	0.0	--	--	34
1400	5050	510	100	20	C	7.3				.09			.64		.02						2
										12			86		2						
08/14/61	5000		7.6	76	F	7.9	104	--	--	2.7	--	0.0	56	--	2.8	--	--	0.0	--	--	46
0845	5050	496	92	24	C	7.4				.12			.92		.08						0
										11			88		7						
09/12/61	5000		8.5	76	F	8.1	119	16	2.9	2.9	1.4	0.0	62	6.0	3.2	0.1	0.1	0.0	16	--	52
1330	5050	379	103	24	C	7.5		.80	.24	.13	.04		1.02	.12	.09				79		1
								66	20	11	3		83	10	7						
10/05/61	5000		8.8	72	F	8.0	127	--	--	3.2	--	0.0	68	--	1.0	--	--	0.1	--	--	55
1510	5050	242	102	22	C	7.4				.14			1.12		.03						0
										11			88		2						
11/14/61	5000		10.6	54	F	7.9	135	--	--	3.3	--	0.0	69	--	1.2	--	--	0.0	--	--	61
0915	5050	352	99	12	C	7.6				.14			1.13		.03						5
										10			83		2						
12/13/61	5000		11.9	46	F	7.9	115	--	--	2.8	--	0.0	59	--	2.0	--	--	0.0	--	--	52
1330	5050	623	100	H	C	7.4				.12			.97		.06						4
										10			84		5						
01/05/62	5000		12.2	46	F	7.8	106	--	--	2.5	--	0.0	54	--	1.5	--	--	0.0	--	--	48
1050	5050	623	102	H	C	7.3				.11			.89		.04						4
										10			83		3						
02/08/62	5000		11.8	44	F	7.9	101	--	--	3.0	--	0.0	47	--	2.8	--	--	0.0	--	--	47
0915	5050	697	96	7	C	7.1				.13			.77		.08						9
										12			76		7						
03/15/62	5000		12.1	46	F	7.7	72	--	--	2.0	--	0.0	36	--	1.0	--	--	0.0	--	--	36
1000	5050	1020	101	H	C	7.4				.09			.59		.03						7
										12			81		4						
04/05/62	5000		11.9	54	F	7.7	73	--	--	2.8	--	0.0	37	--	2.5	--	--	0.0	--	--	32
1230	5050	4570	111	12	C	7.4				.12			.61		.07						2
										16			83		9						
05/15/62	5000		11.1	57	F	7.6	50	6.8	1.0	1.7	0.3	0.0	26	1.0	2.0	0.0	0.1	0.0	12	--	21
1200	5050	2720	108	14	C	7.3		.34	.08	.07	.01		.43	.02	.06				38		0
								68	16	14	2		84	4	12						



TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAH SAMPLED	G.H. W	DO SAT	TEMP	PH LAH FLD	EC LAH FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	SiO2	TOS SUM	TH NCH		
AO 6300.00                      YUBA RIVER AT PARKS BAR BRIDGE                      CONTINUED																					
06/11/62 1200	5000 5050	2950	9.7 100	62 17	F C	7.3 7.2	53	--	--	1.6 .07 13	--	0.0	27 .44 83	--	2.0 .06 11	--	--	0.0	--	--	22 0
07/02/62 1110	5000 5050	746	9.1 97	65 18	F C	7.7 7.3	58	--	--	2.1 .09 15	--	0.0	30 .49 84	--	2.0 .06 10	--	--	0.0	--	--	24 0
08/14/62 1515	5000 5050	504	8.7 103	74 23	F C	7.5 7.4	91	--	--	3.0 .13 14	--	0.0	51 .84 92	--	1.8 .05 5	--	--	0.1	--	--	42 0
09/10/62 1430	5000 5050	405	8.4 98	73 23	F C	7.6 7.4	111	17 .85 73	2.1 .17 15	3.2 .14 12	0.5 .01 1	0.0	62 1.02 86	5.2 .11 9	1.8 .05 4	0.0	0.1	0.1	15	70 75	51 0
10/01/62 1105	5000 5050	408	8.6 100	72 22	F C	7.7 7.0	116	--	--	3.2 .14 12	--	0.0	69 1.13 97	--	1.5 .04 3	--	--	0.0	--	--	53 0
11/01/62 1255	5000 5050	1010	10.2 99	57 14	F C	7.2 6.8	58	--	--	1.8 .08 13	--	0.0	30 .49 84	--	0.8 .02 3	--	--	0.0	--	--	25 1
12/03/62 1315	5000 5050	13500	11.7 105	51 11	F C	7.4 7.3	83	--	--	2.6 .11 13	--	0.0	43 .71 85	--	2.0 .06 7	--	--	0.0	--	--	36 1
01/09/63 1000	5000 5050	870	12.0 97	43 6	F C	7.7 7.1	75	--	--	2.2 .10 13	--	0.0	39 .64 85	--	1.5 .04 5	--	--	0.0	--	--	32 0
02/05/63 1300	5000 5050	9730	11.7 105	51 11	F C	7.3 7.1	51	--	--	2.0 .09 17	--	0.0	26 .43 84	--	2.2 .06 11	--	--	0.0	--	--	22 1
03/06/63 0945	5000 5050	1570	11.9 105	50 10	F C	7.9 7.3	74	--	--	2.2 .10 13	--	0.0	39 .64 86	--	1.0 .03 4	--	--	0.1	--	--	32 0
04/03/63 1000	5000 5050	3230	11.6 103	50 10	F C	7.7 7.3	77	--	--	2.0 .09 11	--	0.0	40 .66 85	--	1.5 .04 5	--	--	0.1	--	--	33 0
05/01/63 0945	5000 5050	6150	11.5 109	55 13	F C	7.7 7.1	71	8.0 .40 55	2.6 .21 29	2.2 .10 14	0.6 .02 3	0.0	38 .62 84	4.0 .08 11	1.0 .03 4	0.8 .01 1	0.2	0.0	15	52 53	30 0
06/05/63 0800	5000 5050	2770	10.4 103	59 15	F C	7.5 7.1	50	--	--	1.8 .08 16	--	0.0	27 .44 88	--	1.2 .03 6	--	--	0.0	--	--	21 0
07/09/63 1100	5000 5050	765	9.2 101	67 19	F C	7.7 7.4	77	--	--	2.2 .10 12	--	0.0	41 .67 87	--	0.6 .02 2	--	--	0.0	--	--	33 0
09/13/63 1030	5000 5050	553	8.8 104	74 23	F C	7.9 7.4	116	18 .90 67	3.3 .27 20	3.2 .14 10	1.0 .03 2	0.0	68 1.12 85	6.0 .12 9	2.0 .06 5	1.1 .02 2	0.0	0.0	16	-- 84	59 3
11/07/63 1215	5000 5050	441	10.0 97	57 14	F C	8.0 7.4	112	--	--	3.0 .13 11	--	0.0	54 .89 79	--	3.0 .08 7	--	--	0.0	--	--	50 6
01/07/64 1100	5000 5050	909	13.0 109	46 8	F C	7.9 8.1	84	--	--	2.4 .10 11	--	0.0	40 .66 78	--	3.0 .08 9	--	--	0.0	--	--	36 3
03/03/64 1110	5000 5050	1360	13.1 110	46 8	F C	8.1 8.4	92	--	--	3.6 .16 17	--	0.0	46 .75 81	--	2.8 .08 8	--	--	0.0	--	--	40 3
05/05/64 1215	5000 5050	2430	11.1 102	53 12	F C	8.0 7.3	70	9.8 .49 65	1.7 .14 19	2.5 .11 15	0.2 .01 1	0.0	38 .62 81	4.0 .08 10	1.8 .05 6	1.0 .02 3	0.0	0.0	13	46 53	32 1
07/10/64 0930	5000 5050	515	9.5 110	72 22	F C	7.5 7.5	73	--	--	2.5 .11 15	--	0.0	38 .62 84	--	0.5 .01 1	--	--	0.0	--	--	32 1
09/10/64 1245	5000 5050		12.2 146	75 24	F C	8.2 8.1	115	15 .75 65	3.0 .25 22	3.1 .13 11	0.8 .02 2	0.0	58 .95 87	5.0 .10 9	1.2 .03 3	0.5 .01 1	--	0.0	15	76 72	50 3
11/19/64 0930	5000 5050	640	11.0 96	49 9	F C	7.9 7.3	118	--	--	3.4 .15 12	--	0.0	56 .92 77	--	0.8 .02 1	--	--	0.0	--	--	49 3
01/08/65 1400	5000 5050	14900	12.7 109	48 9	F C	7.3 7.1	47	--	--	2.3 .10 21	--	0.0	23 .38 80	--	0.2 .01 2	--	--	0.1	--	--	19 0
03/05/65 1300	5000 5050	2610	12.2 110	51 11	F C	7.8 7.3	72	--	--	2.3 .10 13	--	0.0	37 .61 84	--	0.6 .02 2	--	--	0.0	--	--	32 2
05/07/65 1400	5000 5050	4950	11.9 114	56 13	F C	7.4 7.5	51	8.0 .40 73	0.7 .06 11	1.8 .08 15	0.5 .01 2	0.0	26 .43 84	3.0 .06 12	0.6 .02 4	0.1	--	0.0	12	39 39	23 2

TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.H. FT	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TDS SUM	TH NCM
AO 6300.00																				
YUBA RIVER AT PARKS BAR BRIDGE																				
CONTINUED																				
07/16/65	5000		9.1	67	F	8.0	71	--	--	2.3	--	0.0	36	--	0.8	--	--	0.0	--	29
1030	5050	760	100	19	C	7.5				.10			.59		.07					0
										14			83		2					
09/08/65	5000		8.8	75	F	7.9	109	14	3.2	2.6	0.5	0.0	60	5.0	0.9	0.3	--	0.0	13	70
1315	5050	725	105	24	C	7.7		.70	.26	.11	.01		.98	.10	.03				69	48
								65	24	10	1		88	9	3					0
11/05/65	5000		11.4	63	F	8.1	109	--	--	3.1	--	0.0	58	--	1.1	--	--	0.1	--	48
1245	5050	729	119	17	C	7.5				.13			.95		.03					1
										11			87		2					
01/07/66	5000		12.8	44	F	7.7	99	--	--	3.0	--	0.0	38	--	1.0	--	--	0.0	--	42
1115	5050		104	7	C	7.5				.13			.62		.03					11
										13			62		3					
03/03/66	5000		13.1	48	F	7.9	96	--	--	3.1	--	0.0	46	--	1.0	--	--	0.0	--	40
1500	5050		113	9	C	7.5				.13			.75		.03					3
										13			78		3					
05/05/66	5000		10.5	60	F	7.6	63	8.4	1.5	1.8	0.5	0.0	33	3.0	0.5	0.7	--	0.1	13	46
1030	5050		106	16	C	7.3		.42	.12	.08	.01		.54	.06	.01	.01			46	0
								67	19	13	2		.87	10	2	2				
07/14/66	5000		9.2	71	F	7.8	96	--	--	2.7	--	0.0	53	--	0.0	--	--	0.0	--	44
1045	5050		105	22	C	7.7				.12			.87							1
										12			90							
09/02/66	5000		9.7	77	F	8.2	125	16	3.6	3.2	0.7	0.0	68	5.1	1.5	0.6	--	0.0	--	90
1415	5050		106	25	C	7.9		.80	.30	.14	.02		1.12	.11	.04	.01			64	0
								63	24	11	2		88	9	3	1				
11/03/66	5050		10.6	62.0	F	7.9	141	--	--	3.8	--	0.0	75	--	2.6	--	--	0.0	--	67
1430	5050		109	16.6	C	7.7				.17			1.23		.07					6
										12			87		4					
01/12/67	5050	1.80	13.1	46	F	7.3	83	--	--	1.8	--	0.0	37	--	2.0	--	--	0.0	--	40
1330	5050		110	8	C	7.9	98			.08			.61		.06					10
										9			73		7					
03/17/67	5050	5.78	13.6	58	F	7.5	71	--	--	2.1	--	0.0	36	--	1.5	--	--	0.1	--	30
1115	5050		134	14	C	7.3	75			.09			.59		.04					1
										12			83		5					
05/11/67	5050		11.7	53	F	7.5	72	--	--	1.8	--	0.0	36	--	0.1	--	--	0.0	--	29
1000	5050		108	12	C	7.3	80			.08			.59		.81					0
										11			81							
09/21/67	5050		9.0	73	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1500	5050		105	23	C	7.4	117													
04/23/68	5050		11.5	53.5	F	7.9	78	8.4	2.4	2.2	0.4	0.0	40	2.1	1.1	0.0	--	.00	--	42
1710	5050	528	107	11.9	C	7.5	82	.42	.20	.10	.01		.66	.04	.03				36	0
								58	27	14	1		90	5	4					
09/10/68	5050		8.8	76	F	7.9	124	15	6.9	3.8	--	0.0	62	--	1.8	--	--	--	--	66
1300	5050		106	24	C	7.9	121	.75	.57	.17			1.02		.05					15
								60	45	13			82		4					

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TDS SUM	TH NCM
A6 L 936.7 037.9 UPPER SAROINE LAKE NEAR SIERRA CITY																				
06/07/62	5801		49	F	6.7	16	2.4	0.0	0.6	0.0	0.0	0.0	7.0	0.0	0.1	0.0	0.0	.02	1.6	--
1545	5071		9	C			.12		.03				.11						8	6
							80		20				100							1
A6 L 937.0 037.4 LOWER SAROINE LAKE NEAR SIERRA CITY																				
00/00/00	5071		67	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			19	C																
03/22/62	5050		--	7.4	38	6.2	0.4	0.8	0.2	0.0	0.0	22	1.0	0.0	0.2	0.0	.05	3.8	--	
	5071					.31	.03	.03	.01			.36	.02						23	17
						82	8	8	3			95	5							0
06/07/62	5801		55	F	6.9	28	2.6	1.3	0.6	0.0	0.0	15	0.0	0.1	0.0	0.0	.02	3.2	--	
1630	5071		13	C			.13	.11	.03			.25							15	12
							48	41	11			100								0
08/00/62	5050		67	F	7.4	34	5.4	0.1	1.3	0.2	0.0	18	0.6	0.9	0.2	0.0	.01	3.3	27	
	5071		19	C			.27	.01	.06	.01		.30	.01	.03					21	14
							77	3	17	3		88	3	9						0



TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.H. DEPTH	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS TH				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	SUM	TH NCH
A6 L 937.4 039.3 PACKER LAKE NEAR SIERRA CITY																				
06/07/62 1500	5801 5071			52.5F 11.3C	6.7	16	2.4 .12 80	0.0	0.8 .03 20	0.0	0.0	8.0 .13 93	0.0	0.3 .01 7	0.0	0.1	.04	3.7	-- 11	6 0
A6 L 939.1 038.6 LOWER SALMON LAKE NEAR SIERRA CITY																				
06/07/62 1400	5801 5071			56 F 13 C	6.8	16	2.7 .13 81	0.0	0.8 .03 19	0.0	0.0	8.0 .13 93	0.0	0.2 .01 7	0.0	0.1	.05	3.7	-- 11	6 0
A6 L 939.5 039.2 UPPER SALMON LAKE NEAR SIERRA CITY																				
06/07/62 1330	5801 5071			48 F 9 C	6.9	16	2.7 .13 81	0.0	0.8 .03 19	0.1	0.0	9.0 .15 100	0.2	0.0	0.0	0.1	.02	3.1	-- 11	7 0
A6 H 925.3 108.5 BULLARDS BAR RESERVOIR NEAR LITTLE OREGON CREEK																				
05/19/65 1410	5050 5050			59 F 15 C	7.5	64	9.2 .46 71	1.7 .14 21	2.2 .10 15	0.2 .01 1	0.0	34 .56 87	--	0.7 .02 3	0.8	--	0.0	--	--	30 2
A6 1250.00 DEER CREEK NEAR SMARTSVILLE																				
10/10/57 1115	5000 5050	1.41 14		58 F 14 C	7.3	140	11 .55 37	7.9 .65 44	5.9 .26 17	1.2 .03 2	0.0	74 1.21 83	7.7 .16 11	3.0 .08 6	0.2	0.1	.00	24	-- 97	60 0
10/22/57 1335	5050 5050	1.46 14	9.9 100	60 F 16 C	7.9	142	16 .80 54	5.4 .44 30	5.0 .22 15	1.3 .03 2	0.0	71 1.16 86	4.6 .10 7	2.9 .08 6	0.6 .01 1	0.0	.01	19	-- 90	62 4
09/23/58 1045	5050 5050	1.44 11	8.5 93	67 F 19 C	7.6	156	14 .70 46	6.3 .52 34	6.2 .27 18	1.0 .03 2	0.0	70 1.15 78	10 .21 14	4.0 .11 7	0.6 .01 1	0.2	.30	17	-- 94	61 4
01/08/59 1140	5050 5050	1.83 36		47 F 8 C	7.7	150	14 .70 50	5.6 .46 33	5.1 .22 16	1.2 .03 2	0.0	61 1.00 71	13 .27 19	3.4 .10 7	1.6 .03 2	0.1	.04	22	-- 96	58 8
02/09/59 1330	5050 5050	2.46 100	12.5 99	42 F 6 C	7.7	152	15 .75 51	5.7 .47 32	5.6 .24 16	0.8 .02 1	0.0	71 1.16 81	8.4 .17 12	3.1 .09 6	1.0 .02 1	0.0	.03	23	-- 97	61 3
03/10/59 1720	5000 5050	2.90 164	10.6 98	53 F 12 C	7.3	60	6.4 .32 58	1.7 .14 25	2.1 .09 16	0.1	0.0	28 .46 88	1.5 .03 6	1.0 .03 6	0.1	0.1	0.1	14	-- 41	23 0
04/14/59 1430	5050 5050	1.53 16	8.6 95	68 F 20 C	7.7	153	18 .90 59	4.9 .40 26	4.9 .21 14	0.6 .02 1	0.0	80 1.31 85	6.6 .14 9	3.0 .08 5	0.7 .01 1	0.0	.15	23	-- 101	65 0
05/12/59 1415	5050 5050	1.46 12	8.2 100	77 F 25 C	7.8	162	18 .90 57	5.4 .44 28	5.4 .23 14	0.8 .02 1	0.0	81 1.33 86	5.6 .12 8	3.1 .09 6	0.9 .01 1	0.1	.01	24	-- 103	67 1
06/10/59 0830	5000 5050	1.35 7.0	8.0 97	76 F 24 C	8.1	133	14 .70 49	5.6 .46 32	5.8 .25 18	0.5 .01 1	0.0	66 1.08 77	9.0 .19 13	5.0 .14 10	0.3	0.1	0.0	27	-- 100	58 4
07/07/59 1115	5050 5050	1.25 3.7	8.6 104	76 F 24 C	7.6	147	15 .75 52	5.0 .41 28	6.0 .26 18	0.6 .02 1	0.0	71 1.16 81	8.7 .18 13	3.1 .09 6	0.9 .01 1	0.1	0.0	22	-- 96	58 0
08/07/59 1040	5050 5050	1.29 4.7	8.6 102	74 F 23 C	7.5	162	15 .75 50	5.7 .47 31	6.0 .26 17	0.8 .02 1	0.0	68 1.12 76	11 .23 16	4.6 .13 9	0.3	0.1	.02	21	-- 98	61 5
09/01/59 1115	5050 5050			70 F 21 C	7.5	156	16 .80 53	5.4 .44 29	5.8 .25 17	0.6 .02 1	0.0	73 1.20 80	10 .21 14	3.0 .08 5	0.4 .01 1	0.1	.01	23	-- 100	62 2
11/12/59 1300	5050 5050	1.27 4.2	10.3 95	53 F 12 C	7.9	169	15 .75 45	7.4 .61 37	6.6 .29 17	0.8 .02 1	0.0	80 1.31 76	15 .31 18	3.6 .10 6	0.1	0.1	.03	23	-- 111	68 3
01/06/60 1245	5050 5050	1.39 8.0	12.7 98	40 F 4 C	7.7	182	18 .90 50	6.8 .56 31	6.8 .30 17	1.1 .03 2	0.0	81 1.33 76	14 .29 16	4.7 .13 7	0.8 .01 1	0.1	.03	23	-- 115	73 7

TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.M. U	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUN	TH NCH	
A6 1250.10 DEER CREEK NEAR SMARTSVILLE CONTINUED																					
02/20/62	5001	3.45	10.9	47	F	6.7	89	7.0	5.0	2.0	1.0	0.0	28	18	7.0	0.0	0.1	0.0	24	65	38
1010	5050	242	93	8	C	7.3		.35	.41	.09	.03		.46	.37	.20					78	15
								.40	.47	.10	.3		.45	.36	.19						
10/16/67	5050		10.6	60	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1230	5050		107	16	C	8.5	110														
03/12/68	5050	3.05	10.9	46	F	7.5	68	6.4	3.1	2.6	--	0.0	32	--	1.1	--	--	--	--	--	29
1030	5050	162	91	8	C	7.4	80	.32	.26	.11			.52		.03						3
								.47	.38	.16			.76		.4						
04/23/68	5050	1.40	11.4	58.5F	7.9	129	12	5.4	5.2	0.5	0.0	63	3.3	3.1	1.3	--	0.1	--	72	52	
1740	5050	23	113	14.7C	7.9	130	.60	.44	.23	.01		1.03	.07	.09	.02				62	1	
							.47	.34	.18	.1		.85	.6	.7	.2						
09/10/68	5050	1.60	9.3	73	F	7.9	91	9.2	3.9	4.2	--	0.0	45	--	2.6	--	--	--	--	--	39
1340	5050	14	109	23	C	8.2	90	.46	.32	.18			.74		.07						2
								.50	.35	.19			.81		.7						
A6 1350.01 DEER CREEK AT NEVADA CITY																					
05/14/65	5001			--	7.1	41	4.0	1.0	2.2	0.6	0.0	18	2.0	2.0	0.0	0.1	0.0	--	--	--	15
1455	5050						.20	.08	.10	.02			.30	.04	.06					21	0
							.50	.20	.25	.5			.75	.10	.15						
A6 1400.01 YUBA RIVER AT RICE CROSSING																					
10/16/67	5050			61	F	7.7	127	16	4.1	3.4	--	0.0	65	--	1.5	--	--	--	--	--	57
1400	5050			16	C	7.8	110	.80	.34	.15			1.07		.04						4
								.62	.26	.11			.84		.3						
04/24/68	5050		11.5	49.0F	7.6	78	9.0	2.8	2.0	--	0.0	41	--	0.9	--	--	--	--	--	--	34
0830	5050		101	9.4C	7.3	85	.45	.23	.09			.67		.03							1
							.57	.29	.11			.85		.3							
08/07/68	5050		8.4	72	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1200	5050		97	22	C	7.9	185														
A6 1450.01 YUBA RIVER ABOVE COLGATE POWERHOUSE																					
04/29/58	5000			--	7.8	60	7.4	1.8	3.6	0.8	0.0	32	7.7	1.5	0.0	0.0	.00	15	--	--	26
1530	5050						.37	.15	.16	.02		.52	.16	.04					53		0
							.53	.21	.23	.3		.72	.22	.6							
05/21/58	5000		10.2	53	F	7.7	42	5.6	1.2	1.4	0.4	0.0	24	0.0	2.0	0.2	0.0	0.0	11	--	20
1500	5050	8646	94	12	C	9.3		.28	.10	.06	.01		.39		.06				34		1
								.62	.22	.13	.2		.87		.13						
07/02/58	5050		8.5	64	F	7.6	73	9.0	1.8	0.6	0.4	0.0	39	0.5	0.6	0.2	0.0	.02	14	--	30
0915	5050	944	90	18	C	7.3		.45	.15	.03	.01		.64	.01	.02				46		0
								.70	.23	.5	.2		.96	.1	.3						
07/28/58	5050		6.7	80	F	7.9	117	14	3.4	3.4	0.8	0.0	62	4.1	1.4	0.5	0.0	.02	17	--	49
1130	5050	137	85	27	C	7.6		.70	.28	.15	.02		1.02	.09	.04	.01			75		0
								.61	.24	.13	.2		.88	.8	.3	.1					
08/28/58	5050		7.1	74	F	7.7	159	21	3.3	5.2	1.2	0.0	77	8.4	2.8	1.0	0.0	.00	17	--	66
1430	5050	96	84	23	C	7.3		1.05	.27	.23	.03		1.26	.17	.08	.02			98		3
								.66	.17	.15	.2		.82	.11	.5	.1					
09/23/58	5050		8.8	67	F	7.7	170	19	2.1	6.8	1.1	0.0	77	6.9	3.0	0.8	0.2	.32	16	--	56
1335	5050	108	96	19	C	7.7		.95	.17	.30	.03		1.26	.14	.08	.01			94		0
								.66	.12	.21	.2		.85	.9	.5	.1					
10/28/58	5050		10.3	57	F	7.7	171	20	4.9	5.1	0.9	0.0	79	11	4.1	0.6	0.0	.18	17	--	70
1145	5050	72	100	14	C	7.5		1.00	.40	.22	.02		1.30	.23	.12	.01			102		5
								.61	.24	.13	.1		.78	.14	.7	.1					
11/24/58	5000		12.0	46	F	7.5	148	19	3.9	4.6	0.5	0.0	75	5.8	3.8	0.0	0.0	0.0	16	--	64
1040	5050	46	101	8	C	7.5		.95	.32	.20	.01		1.23	.12	.11				90		3
								.64	.22	.14	.1		.84	.8	.8						
12/23/58	5050		12.2	46	F	7.6	152	18	4.1	4.6	1.0	0.0	70	9.4	3.0	0.5	0.1	.05	16	--	62
1100	5050	103	102	8	C	7.5		.90	.34	.20	.03		1.15	.20	.08	.01			91		5
								.61	.23	.14	.2		.80	.14	.6	.1					
01/27/59	5000		12.3	45	F	6.7	72	8.0	2.9	2.5	0.1	0.0	38	3.8	2.5	0.2	0.0	0.0	13	--	32
1030	5050	945	102	7	C	7.1		.40	.24	.11			.62	.08	.07				52		1
								.53	.32	.15			.81	.10	.9						
02/25/59	5000		12.7	44	F	7.6	68	8.0	1.9	2.0	0.2	0.0	33	3.8	1.5	0.4	0.0	0.1	14	--	28
1045	5050	1326	104	7	C	7.1		.40	.16	.09	.01		.54	.08	.04	.01			48		1
								.61	.24	.14	.2		.81	.12	.6	.1					
03/18/59	5000		12.0	48	F	7.6	71	9.6	1.7	1.7	0.2	0.0	36	3.8	0.2	0.0	0.0	0.0	14	--	31
1045	5050	1285	103	9	C	7.6		.48	.14	.07	.01		.59	.08	.01				49		2
								.69	.20	.10	.1		.87	.12	.1						
04/14/59	5050		11.0	53	F	7.2	69	11	0.1	1.7	0.3	0.0	34	1.0	0.1	0.7	0.0	.13	13	--	28
1030	5050	1656	101	12	C	7.3		.55	.01	.07	.01		.56	.02	.01				45		0
								.86	.2	.11	.2		.95	.3	.2						



TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.M. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH	
A6 1650.01 YUBA RIVER ABOVE COLGATE POWERHOUSE CONTINUED																					
05/06/59 1000	5050 5050	946	11.1 104	54 12	F C	7.4	74	10 .50 75	1.0 .08 12	1.8 .08 12	0.3 .01 1	0.0	37 .61 87	2.8 .06 9	0.8 .02 3	0.7 .01 1	0.0	.12	13	-- 49	29 0
06/02/59 1500	5050 5050	360		66 19	F C	7.5	90	11 .55 64	2.3 .19 22	2.5 .11 13	0.5 .01 1	0.0	47 .77 91	1.8 .04 5	1.0 .03 4	0.8 .01 1	0.1	.23	15	-- 58	37 0
07/07/59 0920	5050 5050	46	6.9 78	70 21	F C	7.5	160	18 .90 58	4.9 .40 26	5.6 .24 15	0.9 .02 1	0.0	76 1.25 83	8.7 .18 12	3.0 .08 5	0.3	0.2	.13	18	-- 97	65 3
09/03/59 1000	5050 5050	58		--		7.7	185	16 .80 44	8.5 .70 39	6.4 .28 15	1.0 .03 2	0.0	88 1.44 78	13 .27 15	4.2 .12 7	0.6 .01 1	0.1	.02	17	-- 110	75 3
11/12/59 1150	5050 5050	37	11.8 98	45 7	F C	7.9	187	23 1.15 62	4.5 .37 20	7.2 .31 17	1.0 .03 2	0.0	86 1.41 75	13 .27 14	6.5 .18 10	0.5 .01 1	0.1	.07	15	-- 113	76 6
01/26/60 1025	5050 5050	1005		45 7	F C	7.3	97	11 .55 63	2.8 .23 26	1.8 .08 9	0.7 .02 2	0.0	43 .71 80	7.2 .15 17	0.3 .01 1	1.0 .02 2	0.0	.06	13	-- 59	39 4
04/23/68 1615	5050 5050		11.3 102	51.5 10.8	F C	7.6 7.5	81 82	9.2 .46 56	2.4 .20 24	2.2 .10 12	--	0.0	40 .66 81	--	1.1 .03 3	--	--	--	--	--	33 0
08/07/68 1305	5050		9.3 109	73 23	F C	-- 7.9	-- 205	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A6 2128.01 NORTH YUBA RIVER AT HULLARDS BAR POWERHOUSE																					
10/03/52 1700	5000 5050	207	8.0 92	72 22	F C	7.5	121	16 .80 62	3.3 .27 21	4.1 .18 14	1.7 .04 3	0.0	71 1.16 88	4.6 .10 8	2.3 .06 5	0.0	0.0	.03	14	-- 81	53 0
05/12/65 1245	5801 5050	2870		52 11	F C	7.8	64	6.0 .30 64	0.2 .02 4	3.2 .14 30	0.3 .01 2	0.0	31 .51 73	1.0 .02 3	6.0 .17 24	0.0	0.1	0.0	--	-- 32	25 0
A6 2130.00 BULLARDS BAR RESERVOIR NEAR NORTH SAN JUAN																					
10/17/67 0835	5050 5050	4.0	7.5 74	58 14	F C	7.2 7.1	118 82	15 .75 64	3.5 .29 25	2.9 .13 11	0.4 .01 1	0.0	63 1.03 90	3.3 .07 6	1.4 .04 4	0.1	--	0.0	--	74 57	52 1
04/23/68 1840	5050 5050	34.10		47 8	F C	7.8 7.1	76 72	9.0 .45 62	2.3 .19 26	1.9 .08 11	0.2 .01 1	0.0	40 .66 94	0.3 .01 1	0.9 .03 4	0.0	--	0.1	--	40 34	32 0
08/07/68 1510	5050		8.0 98	77 25	F C	-- 7.7	-- 180	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/07/68 1525	5050		1.8 20	67 19	F C	-- 6.8	-- 120	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A6 2140.01 WILLOW CREEK NEAR CAMPTONVILLE																					
03/14/60 1445	5050 5050	570	11.8 103	49 9	F C	7.1	54	4.2 .21 44	1.8 .15 31	2.2 .10 21	0.6 .02 4	0.0	24 .39 85	2.3 .05 11	0.8 .02 4	0.1	0.1	.00	15	-- 39	18 0
10/17/67 0930	5050 5050		10.7 99	53 12	F C	7.5 7.5	111 110	12 .60 55	2.9 .24 22	5.0 .22 20	1.1 .03 3	0.0	49 .80 78	6.4 .13 13	3.4 .10 10	0.0	--	0.0	--	81 55	42 2
04/23/68 1935	5050 5050		13.2 117	50 10	F C	7.9 7.3	83 80	8.2 .41 52	2.3 .19 24	3.8 .17 22	0.8 .02 3	0.0	39 .64 78	5.6 .12 15	2.0 .06 7	0.2	--	0.0	--	52 42	30 0
A6 2145.01 WILLOW CREEK NEAR WEEDS POINT																					
09/21/67 0735	5050		53 12	F C	-- 7.2	-- 50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAH SAMPLER	G.M. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH
A6 2150.01 LITTLE OREGON CREEK AT BULLARDS BAR RESERVOIR																				
05/19/65 1405	5050 5050			55 F 13 C	8.1	67	9.8 .44 65	1.2 .10 14	3.4 .15 22	0.2 .01 1	0.0	35 .57 85	-- .03 4	0.9 .01 1	0.7	--	0.0	--	--	27 0
10/17/67 0920	5050 5050			48 F 9 C	7.5 7.3	81 85	8.0 .40 49	2.4 .14 24	4.5 .20 24	0.7 .02 2	0.0	44 .72 91	1.0 .02 3	1.6 .05 6	0.0	--	0.0	--	67 40	30 0
A6 2190.01 NORTH YUBA RIVER BELOW SLATE CREEK																				
07/18/58 1115	5050 5050			--	7.1	87	6.9 .34 39	5.4 .44 51	1.8 .08 9	0.4 .01 1	0.0	49 .80 93	2.5 .05 6	0.4 .01 1	0.3	0.1	.00	14	-- 56	39 0
05/06/59 1300	5050 5050		10.8 97	51 F 11 C	7.3	65	8.0 .40 65	1.7 .14 23	1.7 .07 11	0.3 .01 2	0.0	34 .56 90	0.8 .02 3	1.2 .03 5	0.5 .01 2	0.0	.14	9.6	-- 41	27 0
05/06/60 1135	5050 5050		10.6 94	50 F 10 C	7.3 7.2	67	8.1 .40 65	1.7 .14 23	1.5 .07 11	0.3 .01 2	0.0	34 .56 97	1.2 .02 3	0.0	0.2	0.0	.01	13	-- 43	27 0
10/16/67 1350	5050 5050		10.6 97	52 F 11 C	7.8 7.8	134 130	18 .90 67	3.9 .32 23	2.9 .13 9	--	0.0	73 1.20 89	-- .04 2	1.4	--	--	--	--	--	61 1
04/23/68 5050	5050 5050			48 F 9 C	7.8 7.3	77 77	9.0 .45 58	2.3 .19 24	1.9 .08 10	--	0.0	40 .66 85	-- .03 3	0.9	--	--	--	--	--	32 0
A6 2191.01 SLATE CREEK NEAR STRAWBERRY VALLEY																				
10/10/57 1545	5000 5050	58		.53 F 12 C	7.1	73	6.4 .32 42	3.4 .28 37	3.2 .14 18	0.9 .02 3	0.0	32 .52 70	7.7 .16 22	2.0 .06 8	0.0	0.1	.00	17	-- 56	34 8
07/18/58 1100	5050 5050			--	--	--	4.4 .22	2.2 .18	1.7 .07	0.6 .02	0.0	27 .44	1.6 .03	--	--	--	--	14	--	20 0
09/25/58 1200	5050 5050	535	9.8 93	55 F 13 C	-- 7.3	--	7.0 .35	2.6 .21	1.8 .08	0.6 .02	0.0	33 .54	3.8 .08	--	--	--	--	15	--	28 1
05/06/59 1240	5050 5050	5200	10.9 98	51 F 11 C	--	--	5.2 .26	1.4 .12	1.2 .05	0.3 .01	0.0	21 .34	1.2 .02	--	--	--	--	10	--	19 2
05/06/60 1110	5050 5050		10.8 92	47 F 8 C	-- 7.1	--	4.0 .20	1.0 .08	1.5 .07	0.3 .01	0.0	18 .30	0.3 .01	--	--	--	--	12	--	14 0
10/16/67 1400	5050 5050	1.52 9.7		52 F 11 C	7.4 7.8	72 68	6.9 .34 47	3.2 .26 36	2.3 .10 14	0.8 .02 3	0.0	37 .61 87	2.3 .05 7	1.5 .04 6	0.0	--	0.0	--	49 35	30 0
04/23/68 5050	5050 5050		10.8 94	49 F 9 C	7.8 7.3	51 50	3.9 .19 38	2.8 .23 46	1.7 .07 14	0.2 .01 2	0.0	28 .46 87	2.0 .04 8	0.9 .03 6	0.0	--	0.1	--	29 25	21 0
A6 2210.01 NORTH YUBA RIVER ABOVE SLATE CREEK																				
10/10/57 1615	5000 5050	5160		53 F 12 C	7.4	139	20 1.00 70	2.9 .24 17	3.6 .16 11	0.7 .02 1	0.0	78 1.28 88	5.8 .12 8	2.0 .06 4	0.1	0.0	.00	18	-- 91	62 0
09/25/58 1240	5050 5050	5250	9.6 93	57 F 14 C	7.7 7.7	139	19 .95 69	3.8 .31 22	2.3 .10 7	0.6 .02 1	0.0	76 1.25 91	5.1 .11 8	0.2 .01 1	0.4 .01 1	0.0	.09	14	-- 83	63 1
10/16/67 1410	5050			52 F 11 C	-- 8.0	-- 130	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23/68 1510	5050 5050			48 F 9 C	8.0 7.5	140 77	19 .95 67	3.8 .31 22	2.8 .12 8	--	0.0	76 1.25 89	-- .04 2	1.4	--	--	--	--	--	63 1
A6 2220.01 CANYON CREEK NEAR STRAWBERRY VALLEY																				
10/16/67 1650	5050 5050			52 F 11 C	7.7 7.7	113 110	14 .70 63	3.6 .30 27	2.6 .11 10	0.5 .01 1	0.0	56 .92 85	6.4 .13 12	1.2 .03 3	0.0	--	0.0	--	71 56	50 4



TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.M. Q	DO SAT	TEMP	PH LAB FLD	EC LAR FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	d	SI02	TDS SUM	TH NCH	
A6 2235.01 NORTH YUBA RIVER ABOVE CANYON CREEK																					
10/16/67 1645	5050			52 F 11 C	7.9	135	--	--	--	--	--	--	--	--	--	--	--	--	--		
A6 2240.01 CHEMOKEE CREEK NEAR INDIAN VALLEY																					
10/17/67 1100	5050 5050			49 F 9 C	7.5 7.3	67 67	5.2 .26 39	3.6 .37 44	2.2 .10 15	0.5 .01 1	0.0	33 .54 93	0.6 .01 2	0.9 .03 5	0.0	--	0.0	--	50 76	28 1	
04/24/68 0900	5050 5050			41 F 5 C	7.7 7.3	45 42	4.1 .20 50	1.4 .12 30	1.5 .07 18	0.3 .01 3	0.0	22 .36 95	0.0	0.8 .02 5	0.0	--	0.0	--	35 19	16 0	
A6 2248.01 NORTH YUBA RIVER AT SHENANAGAN FLAT																					
08/07/68 1820	5050			4.6 72 F 100 22 C	-- 8.1	-- 140	--	--	--	--	--	--	--	--	--	--	--	--	--		
A6 2250.01 NORTH YUBA RIVER NEAR CAMPTONVILLE																					
10/03/52 1730	5000 5050	5210		9.2	--	7.7	138	20 1.00 68	3.8 .31 21	3.4 .15 10	0.4 .01 1	0.0	80 1.31 87	5.0 .10 7	3.2 .09 6	0.0	0.0	.04	14	-- 89	66 1
03/01/57 1405	5000 5050	51500		--	7.3	68	9.0 .45 64	2.2 .18 26	1.4 .06 9	0.3 .01 1	0.0	38 .62 93	1.0 .02 3	1.0 .03 4	0.2	0.1	.00	12	-- 46	32 1	
05/12/65 1400	5050 5051			51 F 11 C	7.8	73	12 .60 82	0.2 .02 2	2.2 .10 13	0.5 .01 1	0.0	41 .67 91	--	0.9 .03 4	0.2	--	0.0	--	--	31 0	
09/21/67 0755	5050			57 F 14 C	-- 7.7	-- 135	--	--	--	--	--	--	--	--	--	--	--	--	--		
10/17/67 1115	5050 5050	144		10.8 54 F 101 12 C	7.8 8.0	144 132	20 1.00 69	4.4 .36 25	2.9 .13 9	--	0.0	80 1.31 90	--	1.4 .04 2	--	--	--	--	--	68 3	
04/24/68 0820	5050 5050			12.1 44 F 99 7 C	7.7 7.5	84 85	10 .50 59	2.9 .24 28	1.8 .08 9	--	0.0	44 .72 85	--	1.1 .03 3	--	--	--	--	--	37 1	
A6 2260.01 FIDDLE CREEK NEAR CAMPTONVILLE																					
03/14/60 1400	5050 5050	5180		44 F 7 C	7.2	38	1.3 .06 18	2.4 .20 59	1.6 .07 21	0.4 .01 3	0.0	17 .28 90	0.8 .02 6	0.3 .01 3	0.1	0.1	.01	12	-- 27	13 0	
10/17/67 1130	5050 5050			53 F 12 C	7.5 7.3	72 72	6.4 .32 44	3.2 .26 36	3.2 .14 19	0.2 .01 1	0.0	37 .61 95	0.0	1.0 .03 5	0.0	--	0.0	--	56 32	29 0	
04/24/68 0920	5050 5050			44 F 7 C	7.7 7.3	46 44	4.7 .23 55	1.1 .09 21	2.0 .09 21	0.4 .01 2	0.0	24 .39 95	0.0	0.8 .02 5	0.0	--	0.0	--	37 21	16 0	
A6 2270.00 NORTH YUBA RIVER BELOW GOODYEARS BAR																					
10/11/57 1130	5000 5050	2.08 17M		51 F 11 C	7.9	142	20 1.00 68	3.9 .32 22	3.0 .13 9	0.6 .02 1	0.0	86 1.41 95	1.9 .04 3	1.5 .04 3	0.1	0.0	.00	17	-- 90	66 0	
04/29/58 1300	5000			--	7.5	76	6.8 .34 43	4.1 .34 43	2.4 .10 13	0.6 .02 3	0.0	44 .72 90	1.9 .04 5	1.5 .04 5	0.0	0.0	.00	14	-- 53	34 0	
05/22/58 1300	5000 5050	8.25 4140		9.4 44 F 77 7 C	7.6 9.5	49	6.8 .34 67	1.2 .10 20	1.4 .06 12	0.5 .01 2	0.0	26 .43 84	1.9 .04 8	1.5 .04 8	0.2	0.0	0.0	11	-- 37	22 1	
07/01/58 1115	5050 5050	4.88 935		8.7 54 F 81 12 C	7.6 7.4	78	10 .50 65	2.2 .18 23	1.8 .08 10	0.3 .01 1	0.0	45 .74 96	0.3 .01 1	0.8 .02 3	0.2	0.0	.23	14	-- 52	34 0	
07/28/58 1400	5050 5050	3.23 345		5.4 66 F 58 14 C	8.0 7.3	119	17 .85 70	3.0 .25 21	2.2 .10 8	0.4 .01 1	0.0	70 1.15 99	0.6 .01 1	0.0	0.3	0.0	.01	14	-- 72	55 0	
08/28/58 0900	5050 5050	2.45 217		7.7 62 F 80 17 C	7.7 7.6	143	22 1.10 76	2.7 .22 15	2.8 .12 8	0.5 .01 1	0.0	82 1.34 95	2.1 .04 3	0.6 .02 1	0.4 .01 1	0.0	.02	15	-- 86	66 0	
09/24/58 1310	5050 5050	2.29 145		9.6 55 F 91 13 C	7.8 7.7	145	20 1.00 69	3.6 .30 21	3.2 .14 10	0.4 .01 1	0.0	80 1.31 92	5.3 .11 8	0.1 .01 1	0.6 .01 1	0.0	.14	15	-- 88	65 0	
10/27/58 1400	5050 5050	2.07 163		10.2 52 F 93 11 C	8.0 7.7	147	22 1.10 73	3.6 .30 20	2.4 .10 7	0.5 .01 1	0.0	83 1.36 89	6.7 .14 9	0.7 .02 1	0.2	0.0	.12	14	-- 91	70 2	

TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

UL381J7

DATE TIME	LAH SAMPLER	G.M. U	DO SAT	TEMP	PH LAH FLD	FC LAH FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	M	SI02	TDS SUM	TN NCM	
A6 2270.00 NORTH YUBA RIVER BELOW GOODYEARS BAR CONTINUED																					
11/24/58 1255	5000 5050	2.16 175	11.4 93	44 7	F C	7.1 7.7	137	18 .90 64	4.6 .39 27	2.8 .12 8	0.2 .01	0.0	78 1.28 89	5.8 .12 8	1.5 .04 3	0.0	0.0	0.0	15	-- 248	64 0
12/23/58 1300	5050 5050	2.00 153	11.4 93	44 7	F C	7.7 7.3	148	21 1.05 71	3.5 .29 20	2.8 .12 8	0.6 .02 1	0.0	80 1.31 92	4.3 .09 5	0.4 .01 1	0.7 .01 1	0.0	.02	14	-- 276	67 2
01/27/59 1200	5000 5050		11.7 94	43 6	F C	7.0 7.3	98	14 .70 67	2.9 .24 23	2.3 .10 10	0.4 .01	0.0	54 .49 82	5.8 .12 11	2.5 .07 6	0.0	0.0	0.0	15	-- 195	47 3
02/25/59 1300	5000 5050	4.04 616	11.8 95	43 6	F C	7.9 7.3	98	14 .70 70	2.7 .22 22	1.7 .07 7	0.2 .01 1	0.0	54 .89 87	3.8 .08 8	1.5 .04 4	0.4 .01 1	0.0	0.1	13	-- 190	46 2
03/18/59 1330	5000 5050	4.30 704	11.1 95	47 8	F C	7.7	90	13 .65 71	2.1 .17 19	2.0 .09 9	0.0	0.0	48 .79 91	3.3 .07 8	0.2 .01 1	0.0	0.0	0.0	13	-- 174	41 2
04/14/59 1245	5050 5050	5.01 1050	10.9 94	48 9	F C	7.4 7.5	75	12 .60 83	0.5 .04 6	1.5 .07 10	0.2 .01 1	0.0	39 .64 96	0.8 .02 3	0.3 .01 1	0.3	0.0	.12	12	-- 155	32 0
05/05/59 1150	5050 5050	4.48 780	11.1 95	47 8	F C	7.4	82	13 .65 83	0.6 .05 6	1.7 .07 9	0.2 .01 1	0.0	44 .72 91	2.1 .04 5	0.4 .01 1	1.4 .02 3	0.1	.15	13	-- 171	35 0
06/02/59 1300	5050 5050	3.88 574	9.3 93	59 15	F C	7.4	87	12 .60 71	1.9 .16 19	1.9 .08 9	0.3 .01 1	0.0	49 .80 94	0.6 .01 1	1.0 .03 4	0.7 .01 1	0.0	.23	11	-- 162	38 0
07/07/59 1150	5050 5050	2.20 177	7.9 82	62 17	F C	7.8	139	19 .95 69	3.5 .29 21	3.0 .13 9	0.5 .01 1	0.0	78 1.28 94	3.4 .07 5	0.2 .01 1	0.2	0.0	.10	14	-- 253	62 0
11/12/59 1350	5050 5050	1.56 110	11.2 86	40 4	F C	8.0	159	26 1.30 79	1.9 .16 10	3.8 .17 10	0.4 .01 1	0.0	90 1.48 90	5.4 .11 7	2.0 .05 4	0.2	0.1	.01	15	-- 333	73 0
01/26/60 1200	5050 5050	4.55 720		41.5F 5.2C		7.5	100	12 .60 66	2.7 .22 24	1.8 .08 9	0.3 .01 1	0.0	48 .79 88	5.4 .11 12	0.0	0.3	0.1	.15	11	-- 165	41 2
09/20/67 1130	5050		10.2 100	58 14	F C	-- 7.6	-- 135	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
04/24/68 5050	5050		12.2 99	44 7	F C	7.8 7.5	84 85	11 .55 65	2.3 .19 22	1.8 .08 9	--	0.0	46 .75 89	-- .03 3	0.9 .03 3	--	--	--	--	--	-- 37 0
09/10/68 1615	5050 5050		9.1 100	67 19	F C	8.1 8.4	148 145	22 1.10 74	4.1 .34 22	2.9 .13 8	--	0.0	84 1.38 93	-- 1.03 2	1.3 .04 2	--	--	--	--	--	-- 72 3
A6 2310.00 GOODYEARS CREEK AT GOODYEARS BAR																					
03/14/60 1250	5050 5050		12.3 100	44 7	F C	7.7	98	8.0 .40 41	6.1 .50 51	1.5 .07 7	0.4 .01 1	0.0	52 .85 90	4.0 .08 9	0.3 .01 1	0.0	0.1	.02	15	-- 133	45 3
05/12/65 1425	5050 5050			54 12	F C	8.0	115			2.4 .10 8	0.4 .01	0.0	63 1.03 89	-- 1.4 3	1.4 .04 3	0.4 .01	--	0.0	--	--	-- 58 7
10/17/67 1145	5050 5050			54 12	F C	8.0 8.2	233 240	18 .90 36	18 1.48 59	2.8 .12 5	0.5 .01	0.0	133 2.18 90	9.7 .20 8	1.9 .05 2	0.2	--	0.0	--	139 116	118 9
04/24/68 1030	5050 5050			46 8	F C	8.2 7.9	122 123	10 .50 41	7.5 .62 51	2.0 .09 7	0.4 .01 1	0.0	65 1.07 92	3.1 .06 5	1.2 .03 3	0.0	--	0.0	--	70 56	56 3
A6 2350.00 ROCK CREEK AT GOODYEARS BAR																					
10/17/67 1200	5050 5050			54 12	F C	7.6 7.7	160 160	16 .80 48	8.5 .70 42	3.2 .14 8	0.4 .01 1	0.0	79 1.30 87	7.9 .16 11	1.4 .04 3	0.2	--	0.0	--	104 76	75 10
A6 2360.01 WOODRUFF CREEK AT GOODYEARS BAR																					
09/20/67 1215	5050			56 13	F C	-- 7.4	-- 220	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
04/24/68 1100	5050 5050			47 8	F C	7.8 7.9	156 165	16 .80 51	7.8 .64 41	3.1 .13 8	0.5 .01 1	0.0	81 1.33 88	7.1 .15 10	1.3 .04 3	0.0	--	0.0	--	90 75	72 6



TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.M. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					TH NCH	
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS SUM		
A6 2370.01 ROCK CREEK ABOVE WOODRUFF CREEK																					
04/24/68	5050			42 F	7.6	44	5.2	1.0	1.5	0.3	0.0	22	0.8	0.6	0.0	--	0.0	--	32	17	
1055	5050			6 C	7.3	44	.26	.08	.07	.01		.36	.02	.02				20	0		
							62	19	17	2		90	5	5							
A6 2390.00 NORTH YUBA RIVER AT GOODYEARS BAR																					
10/17/67	5050		10.9	52 F	7.9	141	20	3.6	2.8	--	0.0	79	--	1.2	--	--	--	--	--	65	
1155	5050		99	11 C	7.8	145	1.00	.30	.12			1.30		.03						0	
							70	21	8			92		2							
04/24/68	5050		11.9	46 F	7.7	82	11	2.1	1.8	--	0.0	44	--	0.9	--	--	--	--	--	36	
1110	5050		100	8 C	7.5	82	.55	.17	.08			.72		.03						0	
							67	20	9			87		3							
08/08/68	5050		9.4	62 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0930	5050		97	17 C	7.9	140															
A6 2428.10 NORTH YUBA RIVER BELOW DOWNIEVILLE																					
05/12/65	5801			49 F	7.5	57	6.0	2.0	1.7	0.3	0.0	31	0.0	2.0	0.0	0.1	0.0	--	--	23	
1435	5050			9 C			.30	.16	.07	.01		.51		.06						0	
							56	30	13	2		89		11							
05/12/65	5050			49 F	7.7	54	10	0.2	2.6	0.6	0.0	30	--	0.9	0.4	--	0.0	--	--	26	
1445	5050			9 C			.50	.02	.11	.02		.49		.03	.01					2	
							92	3	20	3		90		5	1						
08/08/68	5050		9.2	60 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0810	5050		93	16 C	7.9	140															
A6 2428.80 NORTH YUBA RIVER AT DOWNIEVILLE BRIDGE																					
10/03/52	5000		9.2	55 F	8.1	167	27	4.5	2.8	0.3	0.0	101	6.2	4.5	0.1	0.0	.02	11	--	86	
1600	5050	5191	88	13 C			1.35	.37	.12	.01		1.66	.13	.13						3	
							73	20	6	1		86	7	7							
A6 2430.00 DOWNIE RIVER AT DOWNIEVILLE																					
03/14/60	5050			42 F	7.5	111	16	2.2	1.3	0.2	0.0	57	3.6	0.2	0.3	0.1	.01	10	--	49	
1100	5050			6 C			.80	.18	.06	.01		.93	.07	.01						3	
							76	17	6	1		92	7	1							
05/12/65	5050			50 F	8.2	102	18	0.7	2.4	0.5	0.0	57	--	0.5	0.3	--	0.0	--	--	48	
1455	5050			10 C			.90	.06	.10	.01		.93		.01						2	
							88	5	9			91									
10/17/67	5050			52 F	7.9	182	28	5.4	2.3	0.3	0.0	103	5.8	1.4	0.0	--	0.0	--	104	92	
1320	5050			11 C	8.3	185	1.40	.44	.10	.01		1.69	.12	.04						8	
							72	23	5	1		91	6	2							
04/24/68	5050		11.4	46 F	8.1	118	19	1.8	1.6	0.2	0.0	64	2.5	1.0	0.0	--	0.0	--	73	55	
1155	5050		96	8 C	7.7	120	.95	.15	.07	.01		1.05	.05	.03						3	
							81	13	6	1		93	4	3							
08/08/68	5050		9.9	59 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0830	5050		98	15 C	8.1	170															
A6 2435.01 PAULEY CREEK NEAR DOWNIEVILLE																					
09/21/67	5050			52 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0850	5050			11 C	8.1	170															
A6 2440.01 DOWNIE RIVER ABOVE PAULEY CREEK																					
09/21/67	5050			52 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0850	5050			11 C	8.0	170															
A6 2460.01 NORTH YUBA RIVER ABOVE DOWNIEVILLE																					
10/17/67	5050		10.5	52 F	7.7	116	16	2.9	3.0	--	0.0	65	--	1.4	--	--	--	--	--	52	
1330	5050		96	11 C	7.5	115	.80	.24	.13			1.07		.04						0	
							68	20	11			92		3							
04/24/68	5050		11.4	47 F	7.8	64	8.6	1.1	1.9	--	0.0	35	--	0.8	--	--	--	--	--	26	
1220	5050		97	8 C	7.3	64	.43	.09	.08			.57		.02						0	
							67	14	12			89		3							
08/08/68	5050		9.5	61 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0845	5050		97	16 C	7.9	120															

TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.H. J	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH
A6 2470.01 J14 CROW CREEK NR DOWNIEVILLE																				
10/17/67	5050			48 F	7.6	99	16	1.9	1.8	0.0	0.0	55	2.3	0.9	0.0	--	0.0	--	59	48
	5050			9 C	7.5	100	.40	.16	.08			.90	.05	.03					50	3
							77	15	8			92	5	3						
04/24/68	5050			47 F	7.8	66	10	0.7	1.6	0.3	0.0	36	0.0	0.8	0.0	--	0.0	--	48	28
	5050			9 C	7.3	65	.50	.06	.07	.01		.59		.02					31	0
							78	9	11	2		97		3						
A6 2480.01 LADIES CANYON NR SIERRA CITY																				
03/14/60	5050			41 F	7.9	115	17	2.3	1.5	0.2	0.0	64	1.8	0.0	0.2	0.1	.02	10	--	52
	5050			5 C			.85	.19	.07	.01		1.05	.04						217	0
							76	17	6	1		96	4							
10/17/67	5050			50 F	8.3	173	25	6.2	2.0	0.2	0.0	106	1.5	1.2	0.0	--	0.0	--	89	88
	5050			10 C	8.1	175	1.25	.51	.09	.01		1.74	.03	.03					88	1
							67	27	5	1		97	2	2						
04/24/68	5050			45 F	8.0	102	15	2.3	1.5	0.2	0.0	60	0.0	1.0	0.0	--	0.0	--	56	47
	5050			7 C	7.7	102	.75	.19	.07	.01		.98		.03					49	0
							74	19	7	1		97		3						
A6 2485.01 NORTH YUBA RIVER ABOVE LADIES CANYON																				
10/17/67				51 F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5050			11 C		105														
A6 2530.01 NORTH YUBA RIVER AT SIERRA CITY																				
10/17/67	5050		10.0	51 F	7.5	85	11	2.0	3.5	--	0.0	49	--	0.8	--	--	--	--	--	36
	5050		90	11 C	7.3	85	.55	.17	.15			.80		.02						0
							64	20	17			94		2						
04/24/68	5050		11.2	46 F	7.4	48	6.1	0.7	1.9	--	0.0	27	--	0.7	--	--	--	--	--	18
	5050		94	8 C	7.3	48	.30	.06	.08			.44		.02						0
							62	12	16			91		4						
A6 2550.01 HAYPRESS CREEK AT NORTH YUBA RIVER																				
08/12/59	5050		9.0	54 F	7.5	122	15	2.8	4.2	1.2	0.0	68	2.0	0.0	0.4	0.0	.02	24	--	49
	5050		89	14 C			.75	.23	.18	.03		1.12	.04		.01				218	0
							63	19	15	2		96	3	1						
09/03/59	5050			55 F	7.6	116	16	2.7	4.2	1.1	0.0	72	0.3	0.6	0.7	0.0	.00	23	--	51
	5050			13 C			.80	.22	.18	.03		1.18	.01	.02	.01				228	0
							65	18	15	2		97	1	2	1					
11/12/59	5050		10.8	41 F	7.3	125	18	1.7	4.8	1.2	0.0	74	1.5	2.0	0.3	0.1	.01	23	--	52
	5050		84	5 C			.90	.14	.21	.03		1.21	.03	.06					251	0
							70	11	16	2		93	2	5						
10/17/67	5050			47 F	7.5	102	13	2.6	3.9	0.9	0.0	59	0.2	1.0	0.0	--	0.0	--	74	43
	5050			8 C	7.5	100	.65	.21	.17	.02		.97		.03					51	0
							62	20	16	2		97		3						
04/24/68	5050		11.3	44 F	7.7	57	7.3	1.0	2.3	0.6	0.0	32	0.0	0.8	0.0	--	0.0	--	51	22
	5050		92	7 C	7.3	57	.36	.08	.10	.02		.52		.02					28	0
							64	14	18	4		96		4						
A6 2600.01 NORTH YUBA RIVER ABOVE HAYPRESS CREEK																				
10/17/67	5050			53 F	7.5	75	9.2	1.7	3.4	--	0.0	43	--	0.9	--	--	--	--	--	30
	5050			10 C	7.3	75	.46	.14	.15			.71		.03						0
							61	18	20			94		4						
04/24/68	5050		11.4	46 F	7.3	41	4.6	1.1	1.9	--	0.0	22	--	0.6	--	--	--	--	--	16
	5050		96	8 C	7.3	41	.23	.09	.08			.36		.02						0
							56	21	19			87		4						
A6 2620.01 BIG SPRINGS NEAR SIERRA CITY																				
05/12/65	5050			47 F	8.5	130	24	0.5	4.4	0.6	2.0	69	--	0.9	0.4	--	0.0	--	--	62
	5050			8 C			1.20	.04	.19	.02	.07	1.13		.03	.01					2
							92	3	14	1	5	86		2						
10/17/67	5050			46 F	7.5	132	22	2.2	2.5	0.4	0.0	74	3.6	1.1	0.1	--	0.0	--	69	64
	5050			8 C	7.3	130	1.10	.18	.11	.01		1.21	.07	.03					68	4
							79	13	8	1		92	5	2						
04/24/68	5050			45 F	8.3	129	20	2.4	2.4	0.3	0.0	71	4.6	1.0	0.0	--	0.0	--	67	60
	5050			7 C	7.5	133	1.00	.20	.10	.01		1.16	.10	.03					65	2
							76	15	8	1		90	8	2						



TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAH SAMPLER	G.H. 0	OO SAT	TEMP	PH LAB FLO	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	CL	NO <sub>3</sub>	F	B	SI0 <sub>2</sub>	TUS SUM
A6 2630.01 NORTH YUBA RIVER BELOW SALMON CREEK																			
10/17/67	5050			54 F 10 C	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
A6 2650.01 NORTH YUBA RIVER AT BASSETS																			
09/21/67	5050			47 F 8 C	7.3	58	--	--	--	--	--	--	--	--	--	--	--	--	--
04/24/68	5050			43 F 6 C	7.5 7.2	43 38	4.3 .21 48	0.8 .07 16	2.4 .10 23	--	0.0	24 .39 90	--	0.8 .02 4	--	--	--	--	14 0
A6 2710.11 NORTH YUBA RIVER BELOW BASSETS																			
05/12/65	5801			45.5F 7.4C	7.4	43	3.0 .15 44	1.0 .08 24	2.2 .10 29	0.4 .01 3	0.0	19 .31 76	1.0 .02 5	3.0 .08 20	0.0	0.1	0.0	--	14 20
A6 2800.01 NORTH YUBA RIVER NEAR YUBA PASS																			
10/17/67	5050			43 F 6 C	7.5 7.1	68 66	7.4 .37 54	1.4 .15 22	3.5 .15 22	--	0.0	39 .64 94	--	1.0 .03 4	--	--	--	--	26 0
04/24/68	5050			38 F 3 C	7.4 7.3	50 51	5.2 .26 52	1.0 .08 16	2.4 .10 20	--	0.0	28 .46 92	--	0.8 .02 4	--	--	--	--	17 0
A6 3118.01 CLEAR CREEK NEAR NORTH SAN JUAN																			
10/17/67	5050			51 F 11 C	8.0 7.6	160 150	16 .80 48	5.1 .42 25	9.3 .40 24	1.5 .04 2	0.0	94 1.54 96	0.0	2.2 .06 4	0.2	--	0.0	--	120 80
04/23/68	5050			10.7 54 F 100 12 C	8.2 7.6	126 141	14 .70 55	2.7 .22 17	7.5 .33 26	1.3 .03 2	0.0	72 1.18 96	0.0	1.8 .05 4	0.0	--	0.0	--	96 63
A6 3120.40 MIDDLE YUBA RIVER AT FREEMANS CROSSING																			
05/12/65	5801	928		51.5F 10.8C	7.5	66	6.0 .30 53	2.0 .16 28	2.2 .10 18	0.5 .01 2	0.0	31 .51 77	2.0 .04 6	4.0 .11 17	0.0	0.1	0.1	--	26 32
08/07/68	5050			8.8 82 F 113 26 C	-- 8.3	-- 150	--	--	--	--	--	--	--	--	--	--	--	--	--
A6 3125.01 MIDDLE YUBA RIVER BELOW OREGON CREEK																			
10/03/52	5000	50		8.5 63 F 89 17 C	7.9	146	18 .90 58	4.4 .36 23	6.3 .27 17	0.8 .02 1	0.0	76 1.25 81	10 .21 14	3.2 .09 6	0.0	0.2	0.00	16	-- 96
04/30/56	5050	588		49 F 9 C	6.4	65	7.0 .35 54	2.7 .19 29	2.1 .09 14	0.8 .02 3	0.0	32 .52 87	2.9 .06 10	0.7 .02 3	0.0	0.1	0.02	12	-- 44
04/29/58	5000	1235		10.0 49 F 87 9 C	7.5 6.4	53	6.8 .34 59	1.9 .16 28	1.4 .06 10	0.7 .02 3	0.0	28 .46 81	3.8 .08 14	1.0 .03 5	0.0	0.0	0.00	16	-- 45
05/12/65	5801			51.5F 10.8C	7.5	66	6.0 .30 53	2.0 .16 28	2.2 .10 18	0.5 .01 2	0.0	31 .51 77	2.0 .04 6	4.0 .11 17	0.0	0.1	0.1	--	26 32
10/17/67	5050	58		10.9 53 F 100 12 C	7.7 7.7	157 160	21 1.05 65	4.7 .39 24	3.9 .17 10	0.3 .01 1	0.0	79 1.30 84	9.2 .19 12	1.7 .05 3	0.0	--	0.0	--	90 80
A6 3160.01 OREGON CREEK AT MIDDLE YUBA RIVER																			
03/01/57	5000	242		--	7.0	44	4.0 .20 45	1.9 .16 36	1.7 .07 16	0.4 .01 2	0.0	22 .36 86	1.0 .02 5	1.5 .04 10	0.1	0.0	0.00	25	-- 46
09/24/58	5050	9.0		9.6 56 F 92 13 C	7.5 7.6	140	12 .60 44	5.6 .46 34	6.2 .27 20	1.2 .03 2	0.0	69 1.13 83	6.6 .14 10	3.0 .08 6	0.6 .01 1	0.0	0.21	23	-- 92
05/05/59	5050	32		55 F 13 C	7.4	77	6.7 .33 45	3.0 .25 34	3.2 .14 19	0.5 .01 1	0.0	36 .59 82	1.6 .03 4	3.2 .09 13	0.5 .01 1	0.0	0.26	15	-- 52
03/14/60	5050	303		46 F 8 C	7.2	54	4.7 .23 46	2.1 .17 34	1.8 .08 16	0.6 .02 4	0.0	25 .41 93	1.2 .02 5	0.3 .01 2	0.1	0.1	0.02	14	-- 37

TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	L.A.H. SAMPLER	G.M. U	DO SAT	TEMP	PH L.A.H. FLD	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SI02	TDS SUM	TH NCH	
A6 3160.01 OREGON CREEK AT MIDDLE YUBA RIVER CONTINUED																					
05/12/65 1200	5050 5050			56 13	F C	8.0	71	11 .55 77	0.1 .01 1	4.0 .17 23	1.1 .03 4	0.0	36 .59 63	-- .04 5	1.4	0.3	--	0.0	--	28 0	
09/21/67 0705	5050			67 16	F C	-- 7.7	-- 180	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/17/67 0830	5050 5050	12	19.9 100	53 12	F C	7.9 7.9	188 165	21 1.05 56	6.2 .51 27	6.7 .29 15	1.5 .04 2	0.0	94 1.54 84	11 .23 13	2.2 .06 3	0.7 .01 1	--	0.0	--	118 95	78 1
04/23/68 1430	5050 5050		10.8 101	54 12	F C	7.8 7.6	85 95	8.8 .44 56	2.4 .20 25	3.1 .13 16	0.8 .02 3	0.0	40 .66 92	1.6 .03 4	1.2 .03 4	0.1	--	0.0	--	62 38	32 0
08/07/68 1730	5050		9.1 105	72 22	F C	-- 8.3	-- 170	--	--	--	--	--	--	--	--	--	--	--	--	--	
A6 3160.60 OREGON CREEK ABOVE MIDDLE YUBA RIVER																					
10/11/57 0900	5000 5050	6.5		54 12	F C	7.4	130	11 .55 41	6.0 .49 37	5.8 .25 19	1.4 .04 3	0.0	68 1.12 81	7.7 .16 12	3.5 .10 7	0.1	0.0	.00	25	--	52 0
06/02/58 1610	5050 5050	66		56 13	F C	7.6	56	7.9 .39 74	0.6 .05 9	2.1 .09 17	0.0	0.0	32 .52 88	3.3 .07 12	0.0	0.1	0.0	.02	15	--	22 0
A6 3240.00 MIDDLE YUBA RIVER ABOVE OREGON CREEK																					
03/01/57 1310	5000 5050	730		--	--	7.0	62	7.2 .36 58	2.2 .18 29	1.6 .07 11	0.3 .01 2	0.0	33 .54 89	1.9 .04 7	1.2 .03 5	0.2	0.0	.02	14	--	27 0
10/11/57 0840	5000 5050	2.64 44		54 12	F C	7.9	158	18 .90 54	6.6 .54 32	4.8 .21 13	1.2 .03 2	0.0	92 1.51 90	3.8 .08 5	3.0 .08 5	0.9 .01 1	0.0	.00	19	--	72 0
05/22/58 1200	5000 5050	6.70 2080	10.2 88	48 9	F C	7.5 9.3	37	4.8 .24 62	1.0 .08 21	1.4 .06 15	0.5 .01 3	0.0	21 .34 87	1.9 .04 10	0.5 .01 3	0.3	0.0	0.0	13	--	16 0
07/01/58 1245	5050 5050	3.42 196	7.7 83	66 19	F C	7.6 7.2	83	11 .55 73	1.6 .13 17	1.2 .05 7	0.7 .02 3	0.0	40 .66 87	2.6 .05 7	1.5 .04 5	0.4 .01 1	0.0	.01	16	--	34 1
07/29/58 1000	5050 5050	2.74 42	7.5 89	74 23	F C	7.9 7.7	126	15 .75 60	4.0 .33 26	3.5 .15 12	0.9 .02 2	0.0	65 1.07 85	5.8 .12 10	2.2 .06 5	0.6 .01 1	0.0	.02	16	--	54 1
08/28/58 1100	5050 5050	2.47 47	7.1 72	60 16	F C	7.7 7.3	153	21 1.05 70	3.0 .25 17	4.1 .18 12	1.1 .03 2	0.0	76 1.25 83	8.6 .18 12	2.2 .06 4	0.9 .01 1	0.0	.02	16	--	65 3
09/24/58 1025	5050 5050	2.54 52	9.4 91	57 14	F C	7.8 7.7	163	19 .95 58	5.0 .41 25	6.2 .27 16	0.9 .02 1	0.0	96 1.57 91	3.3 .07 4	3.0 .08 5	0.7 .01 1	0.0	.22	10	--	68 0
10/27/58 1515	5050 5050	2.39 38	10.0 95	55 13	F C	7.6 7.5	168	21 1.05 65	4.2 .35 22	4.3 .19 12	0.8 .02 1	0.0	79 1.30 83	6.6 .14 9	3.7 .10 6	1.1 .02 1	0.1	.10	15	--	70 5
11/24/58 1400	5000 5050	2.44 43	12.1 101	46 8	F C	7.4 7.5	143	18 .90 60	4.9 .40 27	4.4 .19 13	0.4 .01 1	0.0	75 1.23 80	7.7 .16 10	4.8 .14 9	0.0	0.0	0.0	16	--	65 4
12/23/58 1430	5050 5050	2.40 41	11.5 95	45 7	F C	7.7 7.3	161	--	--	--	--	--	--	--	3.1 .09 5	0.7 .01	0.0	.05	--	--	68 68
01/27/59 1335	5000 5050	3.37 188	11.8 96	44 7	F C	7.0 7.3	95	12 .60 61	3.3 .27 27	2.6 .11 11	0.4 .01 1	0.0	52 .85 79	7.7 .16 15	2.0 .06 6	0.0	0.0	0.0	15	--	44 2
02/25/59 1350	5000 5050	3.82 291	11.9 97	44 7	F C	7.8 7.3	85	11 .55 60	3.0 .25 27	2.2 .10 11	0.2 .01 1	0.0	42 .69 75	8.6 .18 20	1.5 .04 4	0.8 .01 1	0.0	0.1	18	--	40 6
03/18/59 1420	5000 5050	3.73 260	11.0 99	51 11	F C	7.6	71	9.3 .46 65	1.4 .15 21	2.1 .09 13	0.4 .01 1	0.0	36 .59 87	3.8 .08 12	0.2 .01 1	0.0	0.0	0.0	14	--	31 2
04/14/59 1400	5050 5050	3.81 276	9.8 94	56 13	F C	7.5 7.3	72	8.3 .41 62	2.1 .17 26	1.6 .07 11	0.4 .01 2	0.0	36 .59 89	2.6 .05 8	0.2 .01 2	0.5 .01 2	0.0	.07	14	--	29 0
05/05/59 1330	5050 5050	3.57 209	10.3 97	55 13	F C	7.4	78	12 .60 45	0.2 .02 3	1.8 .08 11	0.4 .01 1	0.0	38 .62 85	3.4 .07 10	0.9 .03 4	0.6 .01 1	0.1	.08	14	--	31 0
06/02/59 1140	5050 5050	2.93 105	9.0 97	66 14	F C	7.6	106	15 .75 76	1.1 .09 9	2.9 .13 13	0.7 .02 2	0.0	54 .89 88	4.4 .09 9	1.2 .03 3	0.2	0.1	.08	15	--	42 0



TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAW SAMPLER	G.M. J	DD SAT	TEMP	PH LAW FLO	EC LAW FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLEQUIVALENTS PER LITER PERCENT REACTION VALUE				MILLIGRAMS PER LITER							
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	SI02	T05 SUM	TM NCH			
A6 3240.00 MIDDLE YUBA RIVER ABOVE OREGON CREEK CONTINUED																						
07/07/59	5050	2.37	7.1	72	F	7.7	154	18	4.6	5.1	0.8	0.0	75	8.4	4.0	0.3	0.0	.34	17	--	64	
1330	5050	35	82	22	C			.90	.38	.22	.02		1.23	.17	.11						95	3
								59	25	14	1		81	11	7							
11/12/59	5050	2.25	12.0	43	F	8.0	172	.23	4.5	4.8	1.0	0.0	86	11	4.5	0.5	0.1	.02	14	--	76	
1615	5050	27	97	5	C			1.15	.37	.21	.03		1.41	.23	.13	.01					106	6
								65	21	12	2		79	13	7	1						
01/26/60	5050			44	F	7.3	101	.12	3.2	1.7	0.6	0.0	45	6.9	0.0	1.0	0.0	.04	12	--	43	
1430	5050	633		7	C			.60	.26	.07	.02		.74	.14		.07					59	6
								63	27	7	2		82	16		2						
05/12/65	5050			51	F	7.7	61	9.6	0.2	2.4	0.5	0.0	32	--	1.4	0.5	--	0.0	--	--	25	
1210	5050			11	C			.48	.02	.10	.02		.52	.04	.01						--	0
								78	3	16	3		85	6	1							
09/21/67	5050			62	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
0710	5050			17	C	7.4	150															
10/17/67	5050		11.0	51	F	7.8	156	.20	5.1	3.8	--	0.0	78	--	1.7	--	--	--	--	--	71	
0900	5050	46		101	12	C	7.7	147	1.00	.42	.17		1.28		.05						--	7
								64	26	10			82		3							
04/23/68	5050		11.1	52	F	7.6	77	9.0	2.2	1.9	--	0.0	40	--	0.9	--	--	--	--	--	32	
1250	5050	250		101	11	C	7.5	83	.45	.19	.08		.66		.03						--	0
								58	24	10			85		3							
08/07/68	5050		5.4	77	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1745	5050			103	25	C	8.3	155														
09/10/68	5050		8.4	71	F	8.0	156	.22	4.6	3.7	--	0.0	80	--	1.6	--	--	--	--	--	74	
1530	5050	10		102	22	C	8.4	155	1.10	.34	.16		1.31		.05						--	9
								70	24	10			83		3							
A6 3300.00 GRIZZLY CREEK NEAR NORTH SAN JUAN																						
10/17/67	5050			50.5F	F	7.4	62	5.3	2.9	2.9	0.3	0.0	32	0.8	1.0	0.0	--	0.0	--	54	25	
1635	5050			11.2C	C	7.1	70	.26	.24	.13	.01		.52	.02	.03						29	0
								.41	.34	.20	.2		.91	.4	.5							
04/24/68	5050		11.1	45	F	7.7	50	4.3	1.6	2.3	0.5	0.0	25	0.0	0.9	0.0	--	0.0	--	47	17	
0855	5050			92	7	C	7.1	46	.21	.13	.10	.01	.41		.03						22	0
								.47	.29	.22	.2		.93		.7							
A6 3310.01 MIDDLE YUBA RIVER AT FOOTE CROSSING																						
09/20/67	5050		8.3	66	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1630	5050			95	12	C	8.4	140														
10/17/67	5050		10.6	55	F	7.7	146	.15	6.9	3.3	--	0.0	74	--	1.6	--	--	--	--	--	66	
1545	5050			100	13	C	8.1	145	.75	.57	.14		1.21		.05						--	6
								.51	.39	.9			82		3							
04/24/68	5050		11.8	46	F	7.5	75	8.8	2.2	1.8	--	0.0	38	--	0.9	--	--	--	--	--	31	
0950	5050			99	8	C	7.4	75	.44	.18	.08		.62		.03						--	0
								.58	.24	.10			82		.4							
08/08/68	5050		8.4	73	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1210	5050			98	23	C	8.2	130														
A6 3320.01 KANAKA CREEK NEAR ALLEGHANY																						
09/20/67	5050			64	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1550	5050			18	C		240															
10/17/67	5050		10.3	52	F	8.0	258	.27	12	6.4	0.6	0.0	96	41	3.6	0.0	--	0.0	--	172	115	
1515	5050			94	11	C	8.1	255	1.35	.99	.28	.02	1.57	.85	.10						138	37
								.51	.38	.11	.1		.62	.34	.4							
04/24/68	5050		12.1	43	F	8.0	117	9.5	6.4	2.7	0.4	0.0	52	8.7	1.3	0.0	--	0.0	--	74	50	
1030	5050			97	6	C	7.5	110	.47	.53	.12	.01	.85	.18	.04						54	8
								.42	.47	.11	.1		.79	.17	.4							
08/07/68	5050		8.5	73	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1143	5050			99	23	C	8.3	275														

TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.M. ID	DO SAT	TEMP	PH LAB FLD	EC LAB FLO	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	H	SI02	TDS SUM	TN NCH	
A6 3325.01 KANAKA CREEK HFLOW ALLEGHANY																					
09/20/67 1420	5050			65 14	F C	-- 8.4	-- 240	--	--	--	--	--	--	--	--	--	--	--	--		
04/24/68 1200	5050		10.2 89	49 4	F C	8.0 8.3	130 110	17 .45 65	3.7 .31 23	2.7 .12 9	--	0.0	69 1.13 86	--	1.2 .03 2	--	--	--	58 2		
A6 3330.01 MIDDLE YUBA RIVER ABOVE KANAKA CREEK																					
09/20/67 1550	5050			66 14	F C	-- 105	--	--	--	--	--	--	--	--	--	--	--	--	--		
10/17/67 1510	5050		10.6 98	53 12	F C	7.7 7.9	131 125	18 .90 68	4.3 .36 27	2.6 .11 8	--	0.0	70 1.15 47	--	1.5 .04 3	--	--	--	63 6		
04/24/68 1030	5050		11.8 96	44 7	F C	7.7 7.5	68 68	8.0 .40 58	2.4 .20 29	1.6 .07 10	--	0.0	37 .61 89	--	0.4 .02 2	--	--	--	30 0		
08/08/68 1140	5050		8.5 98	72 22	F C	-- 8.3	-- 130	--	--	--	--	--	--	--	--	--	--	--	--		
A6 3350.00 BLOODY RUN CREEK NEAR NORTH SAN JUAN																					
10/17/67 1345	5050		10.6 91	48 4	F C	7.2 7.3	34 31	3.2 .16 50	0.7 .06 19	2.0 .09 28	0.3 .01 3	0.0	18 .30 77	3.6 .07 18	0.7 .02 5	0.0	--	0.0	34 19	11 0	
04/24/68 1700	5050		10.6 97	52 11	F C	7.4 7.0	26 22	2.6 .13 59	0.1 .01 5	1.6 .07 32	0.4 .01 5	0.0	13 .21 91	0.0	0.6 .02 9	0.0	--	0.0	30 12	7 0	
A6 3400.00 MIDDLE YUBA RIVER NEAR ALLEGHANY																					
08/11/59 1400	5050	2.44 19	8.2 95	72 22	F C	7.5	137	19 .95 70	3.0 .25 18	3.2 .14 10	0.8 .02 1	0.0	76 1.25 94	4.0 .09 6	0.0	0.3	0.0	.00	16 84	-- 0	60 0
10/17/67 1230	5050		10.3 94	52 11	F C	7.3 7.3	134 130	20 1.00 74	2.9 .24 17	2.9 .13 9	--	0.0	74 1.21 90	--	1.6 .05 3	--	--	--	--	62 2	
04/24/68 1430	5050		10.7 96	51 11	F C	7.6 7.5	67 65	8.0 .40 59	2.1 .18 26	1.6 .07 10	--	0.0	36 .59 88	--	0.8 .02 2	--	--	--	--	29 0	
A6 3405.01 WOLF CREEK NEAR ALLEGHANY																					
10/17/67 1215	5050		10.3 93	51 11	F C	7.6 7.7	146 140	18 .90 62	5.4 .44 30	2.5 .11 8	0.2 .01 1	0.0	76 1.25 87	7.4 .15 10	1.2 .03 2	0.0	--	0.0	--	89 72	67 5
04/24/68 1500	5050		10.7 95	50 10	F C	7.9 7.5	88 85	9.9 .49 58	3.0 .25 30	2.1 .09 11	0.5 .01 1	0.0	44 .72 94	1.2 .02 3	0.9 .03 4	0.0	--	0.0	--	62 39	37 1
A6 3413.00 MIDDLE YUBA RIVER ABOVE WOLF CREEK																					
04/24/68 1500	5050		10.7 96	51 11	F C	7.7 7.4	64 64	7.6 .38 59	2.1 .18 28	1.6 .07 10	--	0.0	35 .57 89	--	0.8 .02 3	--	--	--	--	28 0	
A6 3435.01 EAST FORK CR. BELOW WEAVER CR. NR BOWMAN LAKE																					
10/18/67 1125	5050			46 8	F C	7.5 7.1	83 77	13 .65 77	1.3 .11 13	1.8 .08 10	0.0	0.0	47 .77 96	0.2	1.2 .03 4	0.0	--	0.0	--	50 41	38 0
A6 3448.00 MIDDLE YUBA RIVER BELOW MILTON RESERVOIR																					
10/18/67 0945	5050		9.9 88	50 10	F C	7.4 7.0	26 56	7.9 .39 150	0.8 .07 26	1.8 .08 30	--	0.0	26 .43 165	--	1.0 .03 11	--	--	--	--	23 2	



TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLED	G.M. J	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	TDS SUM	TH NCH	
A6 3460.00 MIDDLE YUBA RIVER BELOW JACKSON MEADOW RES.																					
10/18/67	5050 5050		4.0	41 F 5 C	7.2 7.1	49 38	6.1 .30 61	1.1 .10 20	1.6 .07 14	--	0.0	22 .36 73	--	0.9 .03 6	--	--	--	--	--	20 2	
A6 4003.01 KENTUCKY RAVINE AT BRIDGEPORT																					
03/16/60	5050 1050 5050		58	11.3 50 F 100 10 C	7.7	147	10 .50 34	8.0 .66 45	6.6 .29 20	0.6 .02 1	0.0	74 1.21 86	4.6 .10 7	3.2 .09 6	0.3	0.0	.02	28	--	58 0	
04/24/68	5050 0940 5050			11.9 57 F 106 14 C	8.3 8.1	252 240	29 1.45 55	8.1 .67 26	11 .48 18	0.8 .02 1	0.0	132 2.16 86	6.2 .13 5	7.2 .20 8	1.1 .02 1	--	0.0	--	148 128	106 0	
A6 4010.01 SOUTH YUBA RIVER AT BRIDGEPORT																					
10/11/57	5000 1505 5050	510		60 F 16 C	7.4 7.4	124	14 .70 51	5.1 .42 31	4.9 .21 15	1.1 .03 2	0.0	70 1.15 83	5.8 .12 9	4.0 .11 8	0.0	0.0	.06	20	--	56 0	
09/23/58	5050 1140 5050	516		8.8 68 F 97 20 C	7.4 7.7	138	14 .70 53	4.1 .34 26	6.2 .27 20	0.8 .02 2	0.0	56 .92 69	14 .29 22	4.4 .12 9	0.5 .01 1	0.2	.42	12	--	52 6	
05/05/59	5050 1445 5050	5143		9.9 62 F 102 17 C	7.4	77	9.1 .45 63	1.8 .15 21	2.6 .11 15	0.4 .01 1	0.0	35 .57 80	1.5 .03 4	3.6 .10 14	0.5 .01 1	0.1	.19	11	--	30 2	
05/06/60	5050 1455 5050	5250		9.5 62 F 98 17 C	7.2 7.2	64	6.5 .32 56	1.7 .14 25	2.0 .09 16	0.6 .02 4	0.0	28 .46 84	3.4 .07 13	0.8 .02 4	0.3	0.0	.02	12	--	23 0	
09/21/67	5050 1420 5050			8.7 72 F 101 22 C	-- 8.0	-- 105	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
10/16/67	5050 1310 5050			10.2 59 F 101 15 C	7.4 7.4	112 110	12 .60 55	3.6 .30 27	4.3 .19 17	0.4 .01 1	0.0	50 .82 76	8.6 .18 17	2.7 .08 7	0.0	--	0.0	--	69 56	45 4	
04/24/68	5050 1015 5050			11.5 55 F 109 13 C	7.7 7.3	76 80	8.2 .41 57	2.1 .17 24	2.7 .12 17	0.6 .02 3	0.0	34 .56 90	1.0 .02 3	1.4 .04 6	0.0	--	0.0	--	56 33	29 1	
A6 4080.01 SHADY CREEK NEAR NORTH SAN JUAN																					
03/01/57	5000 1215 5050	540		-- 7.3	7.3	62	6.0 .30 48	1.6 .13 21	4.1 .18 29	0.9 .02 3	0.0	34 .56 88	1.0 .02 3	2.0 .06 9	0.2	0.0	.03	28	--	22 0	
03/15/60	5050 1345 5050	525		11.0 50 F 97 10 C	7.4	68	5.9 .29 46	1.8 .15 24	3.8 .17 27	0.9 .02 3	0.0	32 .52 88	1.6 .03 5	1.4 .04 7	0.2	0.0	.02	18	--	22 0	
05/12/65	5050 1130 5050			64.5F 10.0C	7.7	87	12 .60 68	0.0 .24 27	5.6 .24 27	1.0 .03 3	0.0	46 .75 86	-- .08 9	2.8 .01 1	0.5	--	0.0	--	--	30 0	
10/16/67	5050 1450 5050			64 F 18 C	-- 7.8	-- 105	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
04/24/68	5050 1045 5050			11.8 58.5F 117 14.7C	8.0 7.3	89 90	9.3 .46 53	1.4 .12 14	5.9 .26 30	1.0 .03 3	0.0	45 .74 91	0.0 .07 9	2.6 .07 9	0.0	--	0.0	--	69 42	29 0	
A6 4100.00 SOUTH YUBA RIVER AT JONES BAR																					
04/29/58	5000 1000 5050	430		10.2 55 F 96 13 C	7.5 6.4	53	4.8 .24 44	1.7 .14 26	3.3 .14 26	0.9 .02 4	0.0	24 .39 71	5.8 .12 22	1.5 .04 7	0.0	0.0	.00	13	--	19 0	
04/24/68	5050 1300 5050	4.26 212		11.8 53.5F 110 11.9C	7.7 7.3	69 75	5.5 .27 39	3.2 .26 37	2.6 .11 15	--	0.0	32 .52 75	-- .04 5	1.3 .04 5	--	--	--	--	--	27 1	
09/10/68	5050 1500 5050	39		8.8 70 F 100 21 C	7.9 8.0	113 111	13 .65 57	3.5 .29 25	4.3 .19 16	--	0.0	53 .87 76	-- .07 6	2.6 .07 6	--	--	--	--	--	47 4	

TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAH SAMPLER	G.H. U	DO SAT	TEMP	PH LA3 FLD	EC LAH FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TN NCH	
A6 4160.11 SOUTH YUBA RIVER ABOVE JONES BAR																					
10/03/52	5050		4.4	64	F	7.4	96	11	2.2	5.4	0.6	0.0	.43	9.0	3.2	0.0	0.1	.06	13	--	36
1830	5050	50	89	18	C			.55	.18	.23	.02		.71	.19	.09					66	1
								.56	.18	.23	.2		.72	.19	.9						
05/12/65	5801			50	F	7.2	49	7.0	1.0	1.1	0.2	0.0	.18	5.0	3.0	0.0	0.1	0.0	--	--	21
1115	5050			11	C			.35	.08	.05	.01		.30	.10	.08					26	6
								.71	.16	.10	.2		.63	.21	.17						
10/16/67	5050		10.2	57	F	7.5	106	11	4.0	4.1	--	0.0	.47	--	2.0	--	--	--	--	--	44
1515	5050	58	99	14	C	7.9	105	.55	.33	.18			.77		.06						6
								.51	.31	.16			.72		.5						
A6 4200.11 SOUTH YUBA RIVER AT EDWARDS CROSSING																					
10/16/67	5050		10.3	57	F	7.5	102	11	4.5	3.4	--	0.0	.47	--	1.6	--	--	--	--	--	46
1600	5050		100	14	C	7.5	100	.55	.37	.15			.77		.05						8
								.53	.36	.14			.75		.4						
04/24/68	5050		11.7	54	F	7.0	66	5.6	3.1	2.2	--	0.0	.32	--	0.9	--	--	--	--	--	27
1440	5050		109	12	C	7.5	73	.28	.26	.10			.52		.03						1
								.42	.39	.15			.78		.4						
A6 4300.11 SOUTH YUBA RIVER BELOW WASHINGTON																					
10/17/67	5050			52	F	7.4	80	9.0	2.3	2.9	--	0.0	.37	--	1.4	--	--	--	--	--	32
0915	5050			11	C	7.5	80	.45	.19	.13			.61		.04						2
								.56	.23	.16			.76		.5						
04/24/68	5050		11.4	54.5F	7.7	75	6.0	3.8	2.2	--	0.0	.35	--	1.0	--	--	--	--	--	--	31
1830	5050		107	12.4C	7.3	58	.30	.37	.10				.57		.03						3
								.40	.42	.13			.76		.4						
A6 4310.10 POORHAN CREEK NEAR WASHINGTON																					
03/15/60	5050		12.8	47	F	7.5	74	4.4	5.1	1.4	0.3	0.0	.38	3.0	0.3	0.1	0.1	.01	14	--	32
1115	5050	5130	101	6	C			.22	.42	.06	.01		.62	.06	.01					47	1
								.31	.59	.8	.1		.90	.9	.1						
05/14/65	5050			--	7.5	50	5.0	1.6	1.8	0.2	0.0	.24	--	0.9	0.9	--	0.0	--	--	--	19
1345	5050							.25	.13	.08	.01		.39	.03	.01						0
								.50	.26	.16	.2		.78	.6	.2						
10/17/67	5050			49	F	7.5	111	11	5.5	2.9	0.1	0.0	.56	8.1	1.1	0.0	--	0.0	--	70	50
0900	5050	12		4	C	7.6	110	.55	.45	.13			.92	.17	.03					56	4
								.49	.40	.12			.82	.15	.3						
04/24/68	5050	3.25	11.4	54.5F	7.7	59	5.6	1.9	1.7	0.3	0.0	.28	0.0	0.8	0.0	--	0.0	--	44	22	
1630	5050		102	12.2C	7.3	60	.28	.16	.07	.01			.46		.02					24	0
								.54	.31	.13	.2		.96		.4						
A6 4341.01 WASHINGTON CREEK AT WASHINGTON																					
03/15/60	5050		12.2	45	F	7.7	140	6.6	12	1.8	0.5	0.0	.72	9.4	0.3	0.1	0.0	.02	21	--	67
1150	5050	520	101	7	C			.33	.99	.08	.01		1.18	.20	.01					87	8
								.23	.70	.6	.1		.85	.14	.1						
04/24/68	5050		11.5	48.5F	8.1	154	9.1	11	2.6	0.6	0.0	.70	14	1.2	0.0	--	0.0	--	96	69	
1835	5050		100	9.1C	7.3	140	.45	.90	.11	.02			1.15	.29	.03					73	12
								.30	.61	.7	.1		.78	.20	.2						
A6 4341.50 WASHINGTON CREEK NEAR WASHINGTON																					
05/14/65	5050			--	8.2	185	7.7	18	2.0	0.4	0.0	.90	--	0.5	0.8	--	0.0	--	--	--	93
1310	5050							.38	1.48	.09	.01		1.48	.01	.01						19
								.20	.80	.4			.80								
A6 4343.11 SOUTH YUBA RIVER AT WASHINGTON																					
04/30/58	5000		10.1	45	F	7.3	34	4.4	0.2	3.4	0.8	0.0	.18	3.8	1.2	0.0	0.0	.04	11	--	12
0900	5050	349	84	7	C	6.1		.22	.02	.15	.02		.30	.08	.03					34	0
								.54	.5	.37	.5		.73	.20	.7						
05/14/65	5801			--	6.7	34	3.0	1.0	1.7	0.3	0.0	.14	1.0	2.0	0.0	0.1	0.1	--	--	--	11
1325	5050							.15	.08	.07	.01		.23	.02	.06					16	0
								.48	.26	.23	.3		.74	.6	.19						
10/17/67	5050			54	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0940	5050			12	C	7.4	73														
04/24/68	5050		11.4	54.5F	7.6	52	5.7	1.4	2.1	--	0.0	.26	--	1.0	--	--	--	--	--	--	20
1815	5050		107	12.4C	7.3	55	.28	.12	.09				.43		.03						0
								.53	.23	.17			.82		.5						



TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAH SAMPLER	G.H. Q	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS SUM					TH NCH
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	SUM		
A6 4345.01 SCOTCHMAN CREEK NEAR WASHINGTON																					
05/14/65 1410	5050 5050			--	7.5	49	5.5 .27 55	1.3 .11 22	2.0 .09 18	0.4 .01 2	0.0	22 .36 73	--	0.5 .01 2	0.8 .01 2	--	0.0	--	--	19 1	
A6 4345.10 SCOTCHMAN CREEK TRIBUTARY NEAR WASHINGTON																					
05/14/65 1405	5050 5050			--	6.8	60	7.0 .35 58	1.4 .15 25	2.0 .09 15	0.3 .01 1	0.0	24 .39 65	--	0.9 .03 5	0.4 .01 1	--	0.0	--	--	25 6	
A6 4350.00 SOUTH YUBA RIVER NR WASHINGTON																					
05/23/58 1100	5000 5050	7.70 3780	10.1 80	42 F 6 C	7.0 9.0	19	2.8 .14 67	0.0 .06 29	1.3 .01 5	0.5	0.0	8.0 .13 59	2.9 .06 27	1.0 .03 14	0.3	0.0	4.6	--	7 21		
07/02/58 0945	5050 5050	3.80 543	8.3 81	57 F 14 C	7.0 7.0	25	2.5 .12 60	0.5 .04 20	0.6 .03 15	0.2 .01 5	0.0	11 .18 90	0.0	0.2 .01 5	0.4 .01 4	0.0	.20	7.4	--	8 17	
07/29/58 1230	5050 5050	1.69 33	7.3 87	74 F 23 C	7.8 7.3	63	8.2 .41 68	0.8 .07 12	2.5 .11 18	0.4 .01 2	0.0	32 .52 87	2.6 .05 8	1.1 .03 5	0.2	0.0	.03	11	--	24 43	
08/28/58 1230	5050 5050	1.55 22	7.1 82	72 F 22 C	7.4 7.3	82	11 .55 73	0.6 .05 7	3.2 .14 19	0.5 .01 1	0.0	39 .64 88	1.8 .04 5	1.4 .04 5	0.4 .01 1	0.0	.01	13	--	30 51	
09/24/58 1530	5050 5050		8.7 90	62 F 17 C	7.4 7.5	84	10 .50 64	1.7 .14 18	3.0 .13 17	0.5 .01 1	0.0	38 .62 81	5.4 .11 14	1.4 .04 5	0.3	0.0	.00	11	--	32 52	
10/27/58 1145	5050 5050	1.53 21	9.8 90	53 F 12 C	7.3 7.3	91	12 .60 73	0.7 .06 7	3.2 .14 17	0.6 .02 2	0.0	40 .66 86	2.0 .04 5	2.1 .06 8	0.4 .01 1	0.1	0.0	11	--	33 52	
11/24/58 1530	5000 5050	1.58 26	10.7 89	45 F 7 C	6.9 7.3	77	11 .55 71	0.9 .07 9	3.2 .14 18	0.2 .01 1	0.0	37 .61 77	5.8 .12 15	2.2 .06 8	0.0	0.0	0.0	13	--	31 54	
12/22/58 1315	5050 5050	1.58 25	11.0 91	45 F 7 C	7.3 7.3	89	12 .60 75	0.7 .06 8	2.8 .12 15	0.6 .02 3	0.0	39 .64 81	4.9 .10 13	1.5 .04 5	0.6 .01 1	0.0	.01	11	--	33 53	
08/11/59 1400	5050 5050	1.38 12	8.4 96	71 F 22 C	7.1	98	13 .65 71	0.8 .07 8	3.8 .17 19	0.8 .02 2	0.0	44 .72 82	5.6 .12 14	1.4 .04 5	0.3	0.0	.02	11	--	36 58	
09/04/59 0930	5050 5050			64 F 16 C	7.3	96	14 .70 78	0.5 .04 4	3.4 .15 17	0.5 .01 1	0.0	45 .74 80	5.6 .12 13	1.7 .05 5	0.6 .01 1	0.1	.00	12	--	37 60	
11/13/59 1000	5050 5050	1.52 15	11.4 92	43 F 6 C	7.8	102	15 .75 74	0.4 .03 3	4.8 .21 21	0.6 .02 2	0.0	48 .79 77	6.2 .13 13	3.7 .10 10	0.2	0.0	.01	12	--	39 66	
01/27/60 1100	5050 5050	2.58 153		42 F 6 C	7.2	53	6.7 .33 75	0.4 .03 7	1.5 .07 16	0.3 .01 2	0.0	20 .33 83	2.6 .05 13	0.4 .01 3	0.4 .01 3	0.0	.13	4.2	--	18 30	
09/20/67 1845	5050			67 F 19 C	-- 7.7	-- 73	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
10/17/67 1115	5050 5050		10.3 96	54 F 12 C	7.4 7.4	77 80	5.1 .25 34	4.2 .35 47	2.9 .13 18	0.4 .01 1	0.0	36 .59 83	3.4 .07 10	1.6 .05 7	0.0	--	0.0	--	50 35	30 1	
04/24/68 1750	5050 5050	1.03	11.3 106	54.5F 12.4C	7.5 7.3	51 55	5.7 .28 54	1.4 .12 23	2.2 .10 19	--	0.0	24 .39 76	--	0.9 .03 5	--	--	--	--	--	20 1	
A6 4400.01 CANYON CREEK NEAR WASHINGTON																					
10/17/67 1130	5050 5050		10.4 93	51 F 11 C	7.3 7.4	56 65	6.8 .34 63	1.2 .10 19	2.3 .10 19	0.1	0.0	29 .48 91	0.8 .02 4	0.9 .03 6	0.0	--	0.0	--	41 26	22 0	
04/24/68 1715	5050 5050		11.3 101	50.5F 10.2C	7.5 7.3	38 47	3.1 .15 43	1.3 .11 31	1.8 .08 23	0.4 .01 3	0.0	22 .36 95	0.0	0.7 .02 5	0.0	--	0.0	--	29 18	13 0	

TABLE D-3  
MINERAL ANALYSES OF SURFACE WATER  
YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.H. ft	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN										MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER TDS TH				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	SUM	NCH						
A6 4420.00 CANYON CREEK BELOW BOWMAN LAKE																										
10/18/67	5050 5050	3.6		53 F 12 C	7.0 7.1	36 34	4.5 .22 63	0.7 .06 17	1.3 .06 17	0.2 .01 3	0.0	18 .30 94	0.0	0.6 .02 6	0.2	--	0.0	--	29 16	14 0						
A6 4620.00 SOUTH YUBA RIVER AT LANGS CROSSING																										
10/06/52	5000 1630 5050	20		9.2 57 F 90 14 C	7.7	81	12 .60 71	1.0 .08 10	3.4 .15 18	0.5 .01 1	0.0	42 .69 78	6.5 .14 16	1.9 .05 6	0.2	0.0	.05	9.5	-- 56	34 0						
10/17/67	5050 1240 5050			9.3 55 F 88 13 C	7.3 7.4	58 65	8.4 .42 72	0.9 .08 13	1.6 .07 12	--	0.0	26 .43 74	--	0.9 .03 5	--	--	--	--	--	25 4						
04/25/68	5050 1030 5050	26.78		11.4 37.5 F 87 4.1 C	7.5 7.3	75 70	9.7 .48 64	1.4 .12 16	2.4 .10 13	--	0.0	33 .54 72	--	1.6 .05 6	--	--	--	--	--	30 3						
A6 4700.00 SOUTH YUBA RIVER NEAR CISCO																										
10/17/67	5050 1400 5050	35		9.0 53 F 83 12 C	6.9 7.1	39 35	3.8 .19 48	0.6 .05 12	2.9 .13 33	--	0.0	13 .21 53	--	3.4 .10 25	--	--	--	--	--	12 2						
04/25/68	5050 1000 5050			11.3 37 F 83 3 C	6.7 6.9	28 46	1.6 .08 28	0.7 .06 21	2.3 .10 35	--	0.0	8.0 .13 46	--	2.7 .08 28	--	--	--	--	--	7 1						
A6 4710.01 HATTLESNAKE CREEK NEAR CISCO																										
10/17/67	5050 1345 5050			8.2 F 11 C	-- 7.0	-- 45	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
A6 4780.01 SOUTH YUBA RIVER AT SODA SPRINGS																										
09/21/67	5050 1230 5050			6.2 F 17 C	-- 7.2	-- 30	--	--	--	--	--	--	--	--	--	--	--	--	--	--						
10/17/67	5050 1400 5050			9.0 51 F 81 11 C	6.9 7.3	31 29	2.8 .14 45	0.9 .08 25	2.2 .10 32	--	0.0	12 .20 64	--	2.4 .07 22	--	--	--	--	--	11 1						
04/25/68	5050 5050	1.84		11.2 36.5 F 82 2.4 C	6.7 6.9	49 48	2.8 .14 28	0.9 .09 16	4.2 .18 36	--	0.0	12 .20 40	--	6.5 .18 36	--	--	--	--	--	11 1						
A6 6150.00 DRY CREEK AT VIRGINIA RANCH																										
10/02/52	5000 1500 5050	4.7		6.8 77 F 83 25 C	7.1	144	12 .60 38	5.3 .48 30	11 .48 30	0.6 .02 1	0.0	72 1.18 77	7.3 .15 10	7.0 .20 13	0.0	0.1	.06	23	-- 102	54 0						
10/10/57	5000 1400 5050	2.6		6.2 F 17 C	7.1	144	10 .50 35	6.6 .54 34	8.8 .38 26	0.7 .02 1	0.0	68 1.12 77	7.7 .16 11	6.5 .18 12	0.1	0.0	.07	22	-- 96	52 0						
06/02/58	5050 1405 5050	37		--	7.9	96	14 .70 73	0.5 .04 4	5.0 .22 23	0.0	0.0	53 .47 86	3.8 .08 9	2.1 .06 6	0.3	0.0	.02	20	-- 72	37 0						
04/23/58	5050 1435 5050	6.3		8.2 72 F 95 22 C	7.6 7.5	141	11 .55 40	5.7 .47 34	8.0 .35 25	0.4 .01 1	0.0	69 1.13 81	7.1 .15 11	3.4 .10 7	0.6 .01 1	0.2	.38	22	-- 93	51 0						
05/06/59	5050 0915 5050	20		9.6 65 F 103 14 C	7.5	118	11 .55 47	4.2 .35 30	6.0 .26 22	0.4 .01 1	0.0	60 .98 83	2.5 .05 4	4.9 .14 12	0.6 .01 1	0.1	.22	17	-- 76	45 0						
03/16/60	5050 1215 5050	126		10.0 56 F 96 13 C	7.3	68	5.3 .26 41	2.9 .24 34	3.0 .13 20	0.3 .01 2	0.0	32 .52 84	2.3 .05 8	0.8 .02 3	0.2	0.0	.02	16	-- 47	25 0						
A6 6251.01 NEW YORK CREEK NEAR CHALLENGE																										
05/19/65	5050 1255 5050			--	7.7	116	12 .60 51	4.1 .34 29	5.4 .23 19	0.0	0.0	63 1.03 88	--	1.4 .04 3	0.9 .01	--	0.0	--	--	47 0						



TABLE D-3  
 MINERAL ANALYSES OF SURFACE WATER  
 YUBA RIVER WATERSHED

DATE TIME	LAB SAMPLER	G.M. J	DO SAT	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SiO2	SUM	TH NCH
		A6 6260.01		DRY CREEK NEAR CHALLENGE																
05/19/65	5050			56 F	7.6	78	7.3	2.9	3.8	0.1	0.0	.42	--	1.4	0.8	--	0.0	--	--	30
1300	5050			13 C			.36	.24	.17			.69		.04	.01					0
		A6 6261.01		COSTA CREEK NEAR CHALLENGE																
05/19/65	5050			55 F	7.7	83	7.3	3.9	4.2	0.2	0.0	.44	--	1.6	0.7	--	0.0	--	--	34
1305	5050			13 C			.36	.32	.18	.01		.72		.05	.01					0
								.43	.38	.21	.1		.86		.6	.1				

TABLE D-4

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Turbidity - The values are shown in Hellige turbidity units.

MPN - Most probable number.

mg/l - Milligrams per liter.

ug/l - Micrograms per liter.



TABLE D-4  
**MISCELLANEOUS CONSTITUENTS IN SURFACE WATER**  
 NORTHEASTERN CALIFORNIA

Station	Station Number	Date	Turbidity Units	Other Constituents
AMERICAN RIVER, MIDDLE FORK, NEAR AUBURN	A7 3100.00	4- 9-68	2	
		9- 6-68	10	
AMERICAN RIVER, SOUTH FORK, NEAR LOTUS (ABOVE GAGE)	A7 4150.10	4- 9-68	4	
		9- 6-68	8	
ANTELOPE CREEK NEAR RED BLUFF	A4 5110.50	11- 1-67	1	
		4-30-68	0	
		7- 2-68	4	
		9- 3-68	2	
BATTLE CREEK NEAR COTTONWOOD	A4 7110.00	11- 2-67	2	
		5- 1-68	2	
		7- 5-68	5	
		9- 3-68	2	
BEAR RIVER NEAR WHEATLAND	A0 6550.00	11- 7-67	1	
		3-12-68	15	
		4- 9-68	10	
		7-17-68	4	
		8- 8-68	3	
		9- 6-68	15	
BIG CHICO CREEK NEAR CHICO	A4 2110.00	10-10-67	1	
		11-14-67	2	
		12- 7-67	5	
		4- 3-68	1	
		5- 7-68	0	
		6- 5-68	0.7	
		7- 9-68	2	
		8- 6-68	3	
		9- 4-68	1	
		BIG GRIZZLY CREEK NEAR PORTOLA	A5 5480.00	3- 7-68
8- 9-68	2			
BIG SPRINGS NEAR SIERRA CITY	A6 2620.01	4-24-68	0.5	
BLOODY RUN CREEK NEAR NORTH SAN JUAN	A6 3350.00	4-24-68	0.5	
BULLARDS BAR RESERVOIR NEAR NORTH SAN JUAN	A6 2130.00	4-23-68	2	
BUTTE CREEK NEAR CHICO	A4 1110.00	10-10-67	1	
		11-14-67	5	
		12- 7-67	7	
		4- 3-68	2	
		5- 7-68	1	
		6- 5-68	1	
		7- 9-68	2	
		8- 6-68	3	
		9- 4-68	1	
		CACHE CREEK NEAR CAPAY	A8 1120.00	12- 1-67
3- 4-68	55			
4- 5-68	4			
5-16-68	15			
6- 6-68	15			
7-17-68	50			
8-14-68	50			
9-13-68	20			
CACHE CREEK NEAR LOWER LAKE	A8 1350.00			8- 8-68
		9-12-68	15	
CALAVERAS RIVER ABOVE NEW HOGAN RESERVOIR	B2 5898.50	1- 2-68	15	
		2-20-68	40	
CALAVERAS RIVER AT STOCKTON	B0 2515.01	1- 9-68	30	
		4- 4-68	65	
		6- 7-68	4	
		7-11-68	50	
		8- 6-68	55	
		9-17-68	20	
CALAVERAS RIVER BELOW NEW HOGAN DAM	B2 5300.00	1-28-68	15	
		2-20-68	15	
		3- 8-68	8	
		4-11-68	4	
CANYON CREEK NEAR WASHINGTON	A6 4400.01	4-24-68	1	
CARSON RIVER, EAST FORK, NEAR MARKLEEVILLE	G8 3420.20	11-15-67	1	Coliform 32-32 MPN/100 ml
		1- 3-68	3	

TABLE D-4  
**MISCELLANEOUS CONSTITUENTS IN SURFACE WATER**  
 NORTHEASTERN CALIFORNIA

Station	Station Number	Date	Turbidity Units	Other Constituents
CARSON RIVER, EAST FORK, NEAR MARKLEEVILLE (Continued)	G8 3420.20	3- 6-68	4	Coliform 20-240 MPN/100 ml
		5- 8-68	20	Coliform 32-240 MPN/100 ml
		7-16-68	5	Coliform 240-240 MPN/100 ml
		9-18-68	20	Coliform 32 MPN/100 ml
CARSON RIVER, WEST FORK, AT WOODFORDS	G8 2300.00	11-15-67	2	Coliform 64-240 MPN/100 ml
		1- 3-68	3	
		3- 6-68	8	Coliform 64-64 MPN/100 ml
		5- 8-68	2	Coliform 64-240 MPN/100 ml
		7-16-68	4	Coliform 700-700 MPN/100 ml
		9-18-68	4	Coliform 32 MPN/100 ml
CHEROKEE CREEK NEAR INDIAN VALLEY	A6 2240.01	4-24-68	1	
CLEAR CREEK NEAR IGO	A3 6130.00	11- 2-67	2	
		5- 1-68	1	
		7- 5-68	2	
		9- 6-68	1	
CLEAR CREEK NEAR NORTH SAN JUAN	A6 3118.01	4-23-68	2	
CLEAR LAKE AT LAKEPORT	A8 1720.00	8- 8-68	45	
		9-12-68	14	
COLUSA BASIN DRAIN NEAR COLUSA	A0 2976.00	4- 4-68	70	
		5- 8-68	78	
		6- 6-68	45	
		7-10-68	40	
		8- 7-68	45	
		9- 5-68	55	
COLUSA BASIN DRAIN NEAR KNIGHTS LANDING	A0 2947.10	4- 4-68	100	
		5- 8-68	101	
		6- 6-68	40	
		7-10-68	95	
		8- 7-68	50	
		9- 5-68	85	
COSUMNES RIVER AT MCCONNELL	B0 1125.00	3-11-68	15	
		4- 4-68	10	
COSUMNES RIVER AT MICHIGAN BAR	B1 1150.00	1- 9-68	2	
		3-11-68	8	
		4- 4-68	4	
		5-14-68	1	
		6- 7-68	2	
		7-11-68	7	
		8- 6-68	9	
		9- 5-68	10	
COSUMNES RIVER, MIDDLE FORK, NEAR SOMERSET	B1 3150.00	8- 6-68	4	
COSUMNES RIVER, NORTH FORK, AT BUCKS BAR	B1 2200.01	8- 6-68	11	
COTTONWOOD CREEK BELOW NORTH FORK COTTONWOOD CREEK	A0 3540.00	11- 2-67	2	
		5- 1-68	1	
		7- 5-68	3	
		9- 6-68	2	
COTTONWOOD CREEK NEAR COTTONWOOD	A0 3520.00	10- 9-67	2	
		11- 2-67	3	
		12-11-67	1	
		4- 5-68	7	
		5- 1-68	1	
		6-13-68	1	
		7- 2-68	3	
		8- 1-68	5	
		9- 6-68	2	
		COTTONWOOD CREEK, SOUTH FORK, ABOVE COTTONWOOD CREEK	A0 3595.00	11- 2-67
5- 1-68	1			
7- 2-68	2			
9- 6-68	1			
COW CREEK NEAR MILLVILLE	A4 8110.00	11- 2-67	2	
		5- 1-68	2	
		7- 5-68	4	
		9- 3-68	2	
DEER CREEK NEAR SMARTSVILLE	A6 1250.00	3-12-68	25	
		4-23-68	6	
		9-10-68	10	



TABLE D-4  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station	Station Number	Date	Turbidity Units	Other Constituents
DONNER CREEK AT DONNER LAKE NEAR TRUCKEE	C7 1565.00	3- 5-68	4	
		7-10-68	5	
		9- 4-68	1	
DOWNIE RIVER AT DOWNIEVILLE	A6 2430.00	4-24-68	1	
DRY CREEK AT BROWNS VALLEY	A0 6205.01	4-23-68	2	
ELDER CREEK AT GERBER	A0 3320.00	4-30-68	50	
ELDER CREEK NEAR PASKENTA	A3 3110.00	4-30-68	2	
		9- 3-68	2	
FEATHER RIVER AT NICOLAUS	A0 5103.00	11- 7-67	7	
		3-12-68	60	
		4- 9-68	30	
		5- 1-68	30	Arsenic 0.00 mg/l
		6- 5-68	7	Suspended solids 43 mg/l
		7-17-68	15	Volatile suspended solids 15 mg/l
FEATHER RIVER NEAR GRIDLEY	A0 5165.00	5- 1-68	20	
		7- 3-68		Suspended solids 8 mg/l
				Volatile suspended solids 7 mg/l
				Phenolic material 0.001 mg/l
FEATHER RIVER, MIDDLE FORK, NEAR MERRIMAC	A5 5100.00	9-11-68	1	
FEATHER RIVER, MIDDLE FORK, AT SLOAT	A5 5250.00	3- 7-68	8	
		8- 9-68	1	
FEATHER RIVER, NORTH FORK, ABOVE POE DAM	A5 3151.01	9-11-68	8	
FEATHER RIVER, NORTH FORK, AT BIG BAR	A5 3140.00	3- 7-68	7	
FEATHER RIVER, SOUTH FORK, BELOW PONDEROSA DAM	A5 6080.00	3- 8-68	15	
FEATHER RIVER, SOUTH FORK, MINERS RANCH DITCH AT SOUTH FORK BRIDGE	A5 6925.80	9-11-68	1	
FEATHER RIVER, WEST BRANCH, NEAR PARADISE	A5 2250.00	9-11-68	1	
FIDDLE CREEK NEAR CAMPTONVILLE	A6 2260.01	4-24-68	0.5	
GOODYEARS CREEK AT GOODYEARS BAR	A6 2310.00	4-24-68	1	
GRIZZLY CREEK NEAR NORTH SAN JUAN	A6 3300.00	4-24-68	1	
HAYPRESS CREEK AT NORTH YUBA RIVER	A6 2550.01	4-24-68	0.5	
HONCUT CREEK NEAR LIVE OAK	A0 5708.01	3-12-68	15	
INDIAN CREEK NEAR CRESCENT MILLS	A5 4320.00	3- 7-68	25	
		8- 9-68	4	
JACK SLOUGH AT MARYSVILLE	A0 5660.00	4- 9-68	40	
		9- 6-68	35	
JIM CROW CREEK NEAR DOWNIEVILLE	A6 2470.01	4-24-68	1	
KANAKA CREEK BELOW ALLEGHANY	A6 3325.01	4-24-68	0.4	
KANAKA CREEK NEAR ALLEGHANY	A6 3320.01	4-24-68	1	
KENTUCKY RAVINE AT BRIDGEPORT	A6 4003.01	4-24-68	1	
LADIES CANYON NEAR SIERRA CITY	A6 2480.01	4-24-68	0.5	
LAKE TAHOE AT TAHOE CITY	G7 1710.00	11-14-67	1	Coliform 20-32 MPN/100 ml
		1- 2-68	3	
		3- 5-68	1	Coliform 240-240 MPN/100 ml
		5- 8-68	1	Coliform 15-15 MPN/100 ml
		7-16-68	2	Coliform 4.8-8.6 MPN/100 ml
		9- 4-68	10	Coliform 4.8-32 MPN/100 ml
LITTLE LAST CHANCE CREEK BELOW FRENCHMAN DAM	A5 5525.00	3- 7-68	6	
		8- 9-68	1	
MCCLLOUD RIVER ABOVE SHASTA LAKE	A2 2150.00	10- 9-67	2	
		11- 8-67	2	
		12-12-67	1	
		4- 1-68	1	

TABLE D-4  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station	Station Number	Date	Turbidity Units	Other Constituents
MCCLLOUD RIVER ABOVE SHASTA LAKE (Continued)	A2 2150.00	5- 6-68	1	
		6-10-68	1	
		7- 3-68	5	
		8- 8-68	6	
		9- 4-68	2	
MILL CREEK NEAR LOS MOLINOS	A4 4110.00	10- 9-67	2	
		11- 1-67	2	
		12-11-67	2	
		4- 8-68	2	
		4-30-68	7	
		6- 3-68	3	
		7- 2-68	3	
		8- 1-68	3	
		9- 3-68	1	
MOKELUMNE RIVER AT WOODBRIDGE	B0 2105.00	4- 4-68	4	
		5-15-68	2	
		6- 7-68	4	
		7-11-68	6	
		9-17-68	20	
MOKELUMNE RIVER BELOW CAMANCHE DAM	B0 2143.00	8- 6-68	9	
OREGON CREEK AT MIDDLE YUBA RIVER	A6 3160.01	4-23-68	1	
PIT RIVER NEAR CANBY	A1 1680.00	10-10-67	60	
		11- 7-67	30	
		12-13-67	40	
		4- 2-68	25	
		5- 7-68	30	Aluminum 314 ug/l
				Beryllium < 0.6 ug/l
				Bismuth < 0.3 ug/l
				Cadmium < 1.4 ug/l
				Cobalt < 1.4 ug/l
				Chromium < 1.4 ug/l
				Copper < 1.4 ug/l
				Iron 189 ug/l
				Gallium < 5.7 ug/l
				Germanium < 0.3 ug/l
		Manganese 177 ug/l		
		Molybdenum < 0.3 ug/l		
		Nickel 3.7 ug/l		
		Lead < 1.4 ug/l		
		Titanium < 0.6 ug/l		
		Vanadium 15 ug/l		
		Zinc < 5.7 ug/l		
		6-10-68 35		
		7- 4-68 35		
		8- 7-68 25		
		9- 4-68	Aluminum 40 ug/l	
			Beryllium < 0.6 ug/l	
			Bismuth < 0.3 ug/l	
			Cadmium < 1.4 ug/l	
			Cobalt < 1.4 ug/l	
			Chromium < 1.4 ug/l	
			Copper < 1.4 ug/l	
			Iron 40 ug/l	
			Gallium < 5.7 ug/l	
			Germanium < 0.3 ug/l	
			Manganese < 1.4 ug/l	
			Molybdenum 1.8 ug/l	
			Nickel 3.7 ug/l	
			Lead < 1.4 ug/l	
			Titanium < 0.6 ug/l	
			Vanadium 11 ug/l	
			Zinc < 5.7 ug/l	
		9- 5-68 50		
PIT RIVER NEAR MONTGOMERY CREEK	A1 1020.00	10-10-67	1	
		11- 7-67	1	
		12-13-67	2	
		4- 2-68	4	
		5- 7-68	2	
		6-10-68	2	
		7- 5-68	4	
		8- 7-68	5	
		9- 6-68	2	
PIT RIVER, SOUTH FORK, NEAR LIKELY	A1 4400.00	10-10-67	2	
		11- 6-67	2	
		12-13-67	2	
		4- 3-68	4	
		5- 7-68	4	
		6-10-68	5	



TABLE D-4  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station	Station Number	Date	Turbidity Units	Other Constituents
PIT RIVER, SOUTH FORK, NEAR LIKELY (Continued)	A1 4400.00	7- 4-68	20	
		8- 8-68	20	
		9- 5-68	20	
POORMAN CREEK NEAR WASHINGTON	A6 4310.00	4-24-68	1	
RED BANK CREEK NEAR RED BLUFF	A0 3460.00	4-30-68	2	
ROCK CREEK AT GOODYEARS BAR	A6 2350.00	4-24-68	1	
SACRAMENTO RIVER ABOVE COLUSA BASIN DRAIN	A0 2430.02	10-11-67	8	
		11-15-67	15	
		12- 8-67	40	
		4- 4-68	15	
		5- 8- 68	22	Aluminum >3000 ug/l
				Beryllium < 0.6 ug/l
				Bismuth < 0.6 ug/l
				Cadmium < 1.4 ug/l
				Cobalt < 1.4 ug/l
				Chromium < 1.4 ug/l
		Copper < 1.4 ug/l		
		Iron >1000 ug/l		
		Gallium < 5.7 ug/l		
		Germanium < 0.3 ug/l		
		Manganese 134 ug/l		
		Molybdenum < 0.3 ug/l		
		Nickel 1.3 ug/l		
		Lead < 1.4 ug/l		
		Titanium < 0.5 ug/l		
		Vanadium 6.3 ug/l		
		Zinc < 5.7 ug/l		
		6- 6-68	15	
		7-10-68	30	
		8- 7-68	25	
		9- 5-68	15	Aluminum 13 ug/l
				Beryllium < 0.6 ug/l
				Bismuth < 0.3 ug/l
				Cadmium < 1.4 ug/l
				Cobalt < 1.4 ug/l
				Chromium < 1.4 ug/l
				Copper 2.9 ug/l
				Iron 9.4 ug/l
				Gallium < 5.7 ug/l
				Germanium < 0.3 ug/l
				Manganese < 1.4 ug/l
				Molybdenum 1.0 ug/l
				Nickel 1.6 ug/l
				Lead < 1.4 ug/l
				Titanium < 0.6 ug/l
				Vanadium 3.1 ug/l
				Zinc < 5.7 ug/l
SACRAMENTO RIVER AT BEND	A0 2785.00	10- 9-67	3	Ortho-phosphate as PO <sub>4</sub> 0.09 mg/l
		11- 1-67	2	Ortho-phosphate as PO <sub>4</sub> 0.03 mg/l
		12-11-67	2	Ortho-phosphate as PO <sub>4</sub> 0.05 mg/l
		1-16-68		Ortho-phosphate as PO <sub>4</sub> 0.45 mg/l
		2- 6-68		Ortho-phosphate as PO <sub>4</sub> 0.04 mg/l
		3- 7-68		Ortho-phosphate as PO <sub>4</sub> 0.06 mg/l
		4- 5-68	4	Ortho-phosphate as PO <sub>4</sub> 0.03 mg/l
		5- 1-68	4	Ortho-phosphate as PO <sub>4</sub> 0.34 mg/l
				Aluminum 60 ug/l
				Beryllium < 0.6 ug/l
				Bismuth < 0.3 ug/l
				Cadmium < 1.4 ug/l
				Cobalt < 1.4 ug/l
				Chromium < 1.4 ug/l
				Copper 17 ug/l
				Iron ≥200 ug/l
				Gallium < 5.7 ug/l
		Germanium < 0.3 ug/l		
		Manganese 11 ug/l		
		Molybdenum < 0.3 ug/l		
		Nickel 1.4 ug/l		
		Lead < 1.4 ug/l		
		Titanium < 0.6 ug/l		
		Vanadium 1.6 ug/l		
		Zinc < 5.7 ug/l		
		6-13-68	4	Ortho-phosphate as PO <sub>4</sub> 0.06 mg/l
		7- 2-68	10	Ortho-phosphate as PO <sub>4</sub> 0.07 mg/l
		8- 1-68	4	Ortho-phosphate as PO <sub>4</sub> 0.02 mg/l
		9- 3-68	2	Ortho-phosphate as PO <sub>4</sub> 0.09 mg/l
				Aluminum 43 ug/l
				Beryllium < 0.6 ug/l
				Bismuth < 0.3 ug/l

TABLE D-4  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station	Station Number	Date	Turbidity Units	Other Constituents		
SACRAMENTO RIVER AT BEND (Continued)	AO 2785.00	9- 3-68		Cadmium	< 1.4	ug/l
				Cobalt	< 1.4	ug/l
				Chromium	< 1.4	ug/l
				Copper	7.7	ug/l
				Iron	23	ug/l
				Gallium	< 5.7	ug/l
				Germanium	< 0.3	ug/l
				Manganese	< 1.4	ug/l
				Molybdenum	< 0.3	ug/l
				Nickel	2.1	ug/l
				Lead	4.3	ug/l
				Titanium	2.3	ug/l
				Vanadium	1.9	ug/l
				Zinc	49	ug/l
SACRAMENTO RIVER AT BUTTE CITY	AO 2500.00	10-10-67	3			
		11-14-67	4			
		12- 7-67	40			
		4- 3-68	2			
		5- 7-68	4			
		6- 5-68	6			
		7- 9-68	8			
		8- 6-68	15			
9- 4-68	2					
SACRAMENTO RIVER AT COLUSA	AO 2420.00	10-10-67	4			
		11-14-67	4			
		12- 7-67	50			
		4- 3-68	5			
		5- 7-68	5	Aluminum	486	ug/l
				Beryllium	< 0.6	ug/l
				Bismuth	< 0.3	ug/l
				Cadmium	< 1.4	ug/l
				Cobalt	< 1.4	ug/l
				Chromium	< 1.4	ug/l
		Copper	14	ug/l		
		Iron	>111	ug/l		
		Gallium	< 5.7	ug/l		
		Germanium	< 0.3	ug/l		
		Manganese	47	ug/l		
		Molybdenum	< 0.3	ug/l		
		Nickel	3.3	ug/l		
		Lead	< 1.4	ug/l		
		Titanium	1.9	ug/l		
		Vanadium	3.1	ug/l		
		Zinc	< 5.7	ug/l		
		6- 6-68	6			
		7-10-68	9			
		8- 7-68	10			
		9- 5-68	3	Aluminum	6.6 ug/l	
				Beryllium	< 0.6 ug/l	
				Bismuth	< 0.3 ug/l	
				Cadmium	< 1.4 ug/l	
				Cobalt	< 1.4 ug/l	
				Chromium	< 1.4 ug/l	
				Copper	< 1.4 ug/l	
				Iron	8.0 ug/l	
				Gallium	< 5.7 ug/l	
				Germanium	< 0.3 ug/l	
				Manganese	< 1.4 ug/l	
				Molybdenum	< 0.3 ug/l	
				Nickel	< 0.3 ug/l	
				Lead	< 1.4 ug/l	
				Titanium	< 0.6 ug/l	
				Vanadium	1.5 ug/l	
				Zinc	< 5.7 ug/l	
SACRAMENTO RIVER AT FREEPORT	B9 D 82731300	10- 2-67	10	Carbon dioxide	4.0	mg/l
		11- 8-67	10	Ortho-phosphate as PO <sub>4</sub>	0.42	mg/l
		12- 4-67	15	Carbon dioxide	5.0	mg/l
		1- 3-68	15	Carbon dioxide	3.0	mg/l
		1-10-68	4	Ortho-phosphate as PO <sub>4</sub>	0.07	mg/l
		2- 7-68	100	Carbon dioxide	3.3	mg/l
		2-14-68	30	Ortho-phosphate as PO <sub>4</sub>	0.41	mg/l
		3- 6-68	55			
		3-13-68	35	Ortho-phosphate as PO <sub>4</sub>	0.33	mg/l
		4- 3-68	25			
		4-10-68	5	Ortho-phosphate as PO <sub>4</sub>	0.31	mg/l
		5- 1-68	35	Arsenic	0.01	mg/l
				Suspended solids	33	mg/l
				Volatile suspended solids	17	mg/l
5-15-68	10	Ortho-phosphate as PO <sub>4</sub>	0.41	mg/l		
6- 5-68	5	Ortho-phosphate as PO <sub>4</sub>	0.40	mg/l		



TABLE D-4  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station	Station Number	Date	Turbidity Units	Other Constituents	
SACRAMENTO RIVER AT FREEPORT (Continued)	B9 D 82731300	7- 3-68		Arsenic 0.00 mg/l Phenolic material 0.001 mg/l	
		7-17-68	5	Ortho-phosphate as PO <sub>4</sub> 0.26 mg/l	
		8- 7-68	100	Arsenic 0.00 mg/l Ortho-phosphate as PO <sub>4</sub> 0.71 mg/l Phenolic material 0.000 mg/l	
		9- 4-68		Ortho-phosphate as PO <sub>4</sub> 0.01 mg/l Phenolic material 0.002 mg/l	
SACRAMENTO RIVER AT DELTA	A2 1300.00	10- 9-67	2		
		11- 8-67	15		
		12-12-67	3		
		4- 1-68	6		
		5- 6-68	4		
		6-11-68	3		
		7- 3-68	8		
		8- 6-68	8		
		9- 4-68	3		
SACRAMENTO RIVER AT HAMILTON CITY	A0 2630.00	10-10-67	2		
		11-14-67	6		
		12- 7-67	20		
		4- 3-68	5		
		5- 7-68	4	Aluminum 343 ug/l Beryllium < 0.6 ug/l Bismuth < 0.3 ug/l Cadmium < 1.4 ug/l Cobalt < 1.4 ug/l Chromium < 1.4 ug/l Copper 13 ug/l Iron >63 ug/l Gallium < 5.7 ug/l Germanium < 0.3 ug/l Manganese 41 ug/l Molybdenum < 0.3 ug/l Nickel 3.1 ug/l Lead < 1.4 ug/l Titanium 1.4 ug/l Vanadium 2.2 ug/l Zinc < 5.7 ug/l	
		66- 5-68	3		
		7- 9-68	10		
		8- 6-68	10		
		9- 4-68	3	Aluminum 17 ug/l Beryllium < 0.6 ug/l Bismuth < 0.3 ug/l Cadmium < 1.4 ug/l Cobalt < 1.4 ug/l Chromium < 1.4 ug/l Copper 3.4 ug/l Iron 12 ug/l Gallium < 5.7 ug/l Germanium < 0.3 ug/l Manganese < 1.4 ug/l Molybdenum < 0.3 ug/l Nickel 1.9 ug/l Lead < 1.4 ug/l Titanium < 0.6 ug/l Vanadium 1.7 ug/l Zinc 26 ug/l	
		SACRAMENTO RIVER AT KESWICK	A2 1010.00	10- 9-67	2
11- 2-67	3				
12-11-67	2				
4- 5-68	4				
5- 1-68	3			Aluminum 114 ug/l Beryllium < 0.6 ug/l Bismuth < 0.3 ug/l Cadmium < 1.4 ug/l Cobalt < 1.4 ug/l Chromium < 1.4 ug/l Copper 25 ug/l Iron ≥314 ug/l Gallium < 5.7 ug/l Germanium < 0.3 ug/l Manganese 17 ug/l Molybdenum < 0.3 ug/l Nickel 2.3 ug/l Lead < 1.4 ug/l Titanium < 0.6 ug/l Vanadium 2.2 ug/l Zinc < 5.7 ug/l	
6-12-68	4				

TABLE D-4  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station	Station Number	Date	Turbidity Units	Other Constituents			
SACRAMENTO RIVER AT KESWICK (Continued)	A2 1010.00	7- 5-68	4				
		8- 1-68	5				
		9- 6-68	2				
					Aluminum	46	ug/l
					Beryllium	< 0.6	ug/l
					Bismuth	< 0.3	ug/l
					Cadmium	< 1.4	ug/l
					Cobalt	< 1.4	ug/l
					Chromium	< 1.4	ug/l
					Copper	6.0	ug/l
					Iron	31	ug/l
					Gallium	< 5.7	ug/l
					Germanium	< 0.3	ug/l
				Manganese	< 1.4	ug/l	
				Molybdenum	< 0.3	ug/l	
				Nickel	2.6	ug/l	
				Lead	3.4	ug/l	
				Titanium	2.1	ug/l	
				Vanadium	1.7	ug/l	
				Zinc	86	ug/l	
SACRAMENTO RIVER BELOW KNIGHTS LANDING	A0 2195.01	10-11-67	8				
		11-15-67	25				
		12- 8-67	35				
		4- 4-68	30				
		5- 8-68	45				
					Aluminum	>3000	ug/l
				Beryllium	< 0.6	ug/l	
				Bismuth	< 0.3	ug/l	
				Cadmium	< 1.4	ug/l	
				Cobalt	< 1.4	ug/l	
				Chromium	< 1.4	ug/l	
				Copper	< 1.4	ug/l	
				Iron	>1000	ug/l	
				Gallium	< 5.7	ug/l	
				Germanium	< 0.3	ug/l	
				Manganese	134	ug/l	
				Molybdenum	< 0.3	ug/l	
				Nickel	13	ug/l	
				Lead	< 1.4	ug/l	
				Titanium	< 0.5	ug/l	
				Vanadium	6.3	ug/l	
			Zinc	< 5.7	ug/l		
		7-10-68	50				
		8- 7-68	35				
		9- 5-68	40				
				Aluminum	13	ug/l	
				Beryllium	< 0.6	ug/l	
				Bismuth	< 0.3	ug/l	
				Cadmium	< 1.4	ug/l	
				Cobalt	< 1.4	ug/l	
				Chromium	< 1.4	ug/l	
				Copper	2.9	ug/l	
				Iron	9.4	ug/l	
				Gallium	< 5.7	ug/l	
				Germanium	< 0.3	ug/l	
				Manganese	< 1.4	ug/l	
				Molybdenum	1.0	ug/l	
				Nickel	1.6	ug/l	
				Lead	< 1.4	ug/l	
				Titanium	< 0.6	ug/l	
				Vanadium	3.1	ug/l	
				Zinc	< 5.7	ug/l	
SACRAMENTO SLOUGH NEAR KNIGHTS LANDING	A0 2925.00	10-11-67	55				
		11-15-67	25				
		4- 4-68	70				
		5- 8-68	45				
		6- 6-68	20				
		7-10-68	70				
		8- 7-68	45				
		9- 5-68	35				
SHADY CREEK NEAR NORTH SAN JUAN	A6 4080.01	4-24-68	1				
SLATE CREEK NEAR STRAWBERRY VALLEY	A6 2191.01	4-23-68	1				
STONY CREEK BELOW BLACK BUTTE DAM	A3 1110.00	10-10-67	35	Ortho-phosphate as PO <sub>4</sub>	0.16	mg/l	
		11-14-67	55	Ortho-phosphate as PO <sub>4</sub>	0.19	mg/l	
		12- 7-67	30				
		2- 6-68		Ortho-phosphate as PO <sub>4</sub>	0.13	mg/l	
		3- 5-68		Ortho-phosphate as PO <sub>4</sub>	0.17	mg/l	
		4- 3-68	15	Ortho-phosphate as PO <sub>4</sub>	0.00	mg/l	
		5- 7-68	36	Ortho-phosphate as PO <sub>4</sub>	0.22	mg/l	
		6- 5-68	15	Ortho-phosphate as PO <sub>4</sub>	0.03	mg/l	
		7- 9-68	100	Ortho-phosphate as PO <sub>4</sub>	0.04	mg/l	
		8- 6-68	80	Ortho-phosphate as PO <sub>4</sub>	0.05	mg/l	
9- 4-68	40	Ortho-phosphate as PO <sub>4</sub>	0.17	mg/l			



TABLE D-4  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station	Station Number	Date	Turbidity Units	Other Constituents		
STONY CREEK NEAR FRUTO	A3 1250.00	10-10-67	80	Ortho-phosphate as PO <sub>4</sub>	0.26	mg/l
		11-14-67	60	Ortho-phosphate as PO <sub>4</sub>	0.36	mg/l
		12- 7-67	500			
		2- 6-68		Ortho-phosphate as PO <sub>4</sub>	0.22	mg/l
		3- 5-68		Ortho-phosphate as PO <sub>4</sub>	0.34	mg/l
		4- 3-68	20	Ortho-phosphate as PO <sub>4</sub>	0.01	mg/l
		5- 7-68	8	Ortho-phosphate as PO <sub>4</sub>	0.17	mg/l
		6- 5-68	15	Ortho-phosphate as PO <sub>4</sub>	0.02	mg/l
		7- 9-68	85	Ortho-phosphate as PO <sub>4</sub>	0.02	mg/l
		8- 6-68	140	Ortho-phosphate as PO <sub>4</sub>	0.03	mg/l
		9- 4-68	45	Ortho-phosphate as PO <sub>4</sub>	0.17	mg/l
SUSAN RIVER AT SUSANVILLE	G4 1600.00	10-16-67	1			
		11- 6-67	2			
		12-14-67	3			
		4- 3-68	5			
		5- 7-68	4			
		6-10-68	3			
		7- 4-68	5			
		8- 8-68	5			
		9- 5-68	1			
THOMES CREEK AT PASKENTA	A3 2120.00	10- 9-67	2	Ortho-phosphate as PO <sub>4</sub>	0.02	mg/l
		11- 1-67	1	Ortho-phosphate as PO <sub>4</sub>	0.03	mg/l
		12-11-67	2	Ortho-phosphate as PO <sub>4</sub>	0.02	mg/l
		2- 5-68		Ortho-phosphate as PO <sub>4</sub>	0.01	mg/l
		3- 6-68		Ortho-phosphate as PO <sub>4</sub>	0.27	mg/l
		4- 8-68	20	Ortho-phosphate as PO <sub>4</sub>	0.03	mg/l
		4-30-68	7	Ortho-phosphate as PO <sub>4</sub>	0.19	mg/l
		6- 3-68	0.3	Ortho-phosphate as PO <sub>4</sub>	0.06	mg/l
		7- 2-68	2	Ortho-phosphate as PO <sub>4</sub>	0.01	mg/l
		8- 1-68	4	Ortho-phosphate as PO <sub>4</sub>	0.02	mg/l
		9- 3-68	1	Ortho-phosphate as PO <sub>4</sub>	0.02	mg/l
THOMES CREEK AT RICHFIELD	A0 3200.00	4-30-68	2			
TRUCKEE RIVER NEAR FARAD	G7 1195.00	11-14-67		Coliform	64-240	MPN/100 ml
		12- 6-67	4	Color	5	
		3- 5-68		Coliform	32-240	MPN/100 ml
		5- 8-68		Coliform	32-240	MPN/100 ml
		7-10-68		Coliform	32	MPN/100 ml
		9- 4-68		Coliform	26-240	MPN/100 ml
UPPER TRUCKEE RIVER NEAR MEYERS	G7 3750.00	3- 5-68	5			
		7-16-68	4			
		9-18-68	5			
WALKER RIVER, EAST, NEAR BRIDGEPORT	G9 3200.00	11-15-67	30	Coliform	64-240	MPN/100 ml
		1- 3-68	20			
		3- 6-68	15	Coliform	15-32	MPN/100 ml
		5- 8-68	20	Coliform	32-32	MPN/100 ml
		7-16-68	45	Coliform	32-32	MPN/100 ml
		9-18-68	210	Coliform	64	MPN/100 ml
WALKER RIVER, WEST, NEAR COLEVILLE	G9 2460.00	11-15-67	1	Coliform	32-32	MPN/100 ml
		1- 3-68	2			
		3- 6-68	6	Coliform	15-64	MPN/100 ml
		5- 8-68	10	Coliform	64-64	MPN/100 ml
		7-16-68	2	Coliform	64-64	MPN/100 ml
		9-18-68	5	Coliform	64	MPN/100 ml
WASHINGTON CREEK AT WASHINGTON	A6 4341.01	4-24-68	1			
WILLOW CREEK NEAR CAMPTONVILLE	A6 2140.01	4-23-68	2			
WOLF CREEK NEAR ALLEGHANY	A6 3405.01	4-24-68	1			
WOODRUFF CREEK AT GOODYEARS BAR	A6 2360.01	4-24-68	1			
YUBA RIVER ABOVE COLGATE POWERHOUSE	A6 1650.01	4-23-68	3			
YUBA RIVER AT DAGUERRE POINT	A0 6170.01	4-23-68	3			
YUBA RIVER AT MARYSVILLE	A0 6120.00	3-12-68	40			
		4-23-68	6			
		7-17-68	20			
		9- 6-68	15			
YUBA RIVER AT PARKS BAR BRIDGE	A0 6300.00	4-23-68	3			
		9- 8-68	15			
YUBA RIVER AT RICE CROSSING	A6 1600.01	4-24-68	5			
YUBA RIVER NEAR MARYSVILLE	A0 6105.01	4-23-68	9			

TABLE D-4  
MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Station	Station Number	Date	Turbidity Units	Other Constituents
YUBA RIVER, MIDDLE, ABOVE KANAKA CREEK	A6 3330.01	4-24-68	0.9	
YUBA RIVER, MIDDLE, ABOVE OREGON CREEK	A6 3240.00	4-23-68 9-10-68	2 15	
YUBA RIVER, MIDDLE, ABOVE WOLF CREEK	A6 3413.00	4-24-68	0.9	
YUBA RIVER, MIDDLE, AT FOOTE CROSSING	A6 3310.01	4-24-68	2	
YUBA RIVER, MIDDLE, NEAR ALLEGHANY	A6 3400.00	4-24-68	0.9	
YUBA RIVER, NORTH, ABOVE DOWNIEVILLE	A6 2460.01	4-24-68	2	
YUBA RIVER, NORTH, ABOVE HAYPRESS CREEK	A6 2600.01	4-24-68	2	
YUBA RIVER, NORTH, ABOVE SLATE CREEK	A6 2210.01	4-23-68	1	
YUBA RIVER, NORTH, AT BASSETS	A6 2750.01	4-24-68	2	
YUBA RIVER, NORTH, AT GOODYEARS BAR	A6 2390.00	4-24-68	2	
YUBA RIVER, NORTH, AT SIERRA CITY	A6 2530.01	4-24-68	22	
YUBA RIVER, NORTH, BELOW GOODYEARS BAR	A6 2270.00	4-24-68 9-10-68	2 6	
YUBA RIVER, NORTH, BELOW SLATE CREEK	A6 2190.01	4-24-68	2	
YUBA RIVER, NORTH, NEAR CAMPTONVILLE	A6 2250.01	4-24-68	2	
YUBA RIVER, NORTH, NEAR YUBA PASS	A6 2800.01	4-24-68	3	
YUBA RIVER, SOUTH, AT BRIDGEPORT	A6 4010.01	4-24-68	1	
YUBA RIVER, SOUTH, AT EDWARDS CROSSING	A6 4200.01	4-24-68	0.9	
YUBA RIVER, SOUTH, AT JONES BAR	A6 4100.00	4-24-68 9-19-68	0.9 15	
YUBA RIVER, SOUTH, AT LANG'S CROSSING	A6 4620.00	4-25-68	1	
YUBA RIVER, SOUTH, AT SODA SPRINGS	A6 4780.01	4-25-68	4	
YUBA RIVER, SOUTH, AT WASHINGTON	A6 4343.01	4-24-68	1	
YUBA RIVER, SOUTH, BELOW WASHINGTON	A6 4300.01	4-24-68	0.9	
YUBA RIVER, SOUTH, NEAR CISCO	A6 4700.00	4-25-68	1	
YUBA RIVER, SOUTH, NEAR WASHINGTON	A6 4350.00	4-24-68	0.5	



TABLE D-5  
 MAXIMUM OBSERVED SALINITY AT BAY AND DELTA STATIONS  
 FOR SELECTED YEARS

(Chloride in Milligrams Per Liter\*)

Station	Station Number	Years											
		1931	1939	1944 (b)	1952	1958	1962	1963	1964	1965	1966	1967	1968
Sacramento-San Joaquin System Unimpaired Runoff in Percent of Average (c)		35	51	65	174	173	95	133	64	155	77	156	74 (d)
SUISUN BAY													
CARQUINEZ STRAIT AT CROCKETT	E0B80352133				13,200	11,900	13,900	13,100	14,600	13,000	15,300	13,900	14,800
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	16,900	16,400		8,900	7,150	12,700	11,500	12,900	11,200	12,000	11,000	12,600
SUISUN BAY AT PORT CHICAGO	E0B80342023				6,900	5,830	9,370	9,200	11,200	9,710	10,700	7,840	10,700
SUISUN BAY AT NICHOLS	E0B80301590								10,100	9,840	10,100	6,420	9,730
SACRAMENTO RIVER AT PITTSBURG	B9D80231530				1,200	1,200	3,980	1,350	3,280	1,080	2,880	2,120	2,820
SACRAMENTO RIVER DELTA													
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	12,600	10,400	4,700	783	550	2,430	1,980	3,730	2,080	3,900	1,440	3,820
SACRAMENTO RIVER BELOW EMMATON	B9D80461452					29	841	382	1,470	276	1,370	293	1,540
THREEMILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	8,600	5,900	1,610	175	18	232	134	459	103	651	57	660
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	7,400	4,050	550	175	17	52	38	690	26	195	28	198
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	6,350	2,500	50	125	14	18	14	20	13	22	13	14
SAN JOAQUIN RIVER DELTA													
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	12,400	9,200	4,000	354	184	1,770	1,040	2,500	920	2,930	654	2,730
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450					122	479	317	892	216	1,675	520	2,320
SAN JOAQUIN RIVER AT JERSEY ISLAND						52	84	135	863	147	1,200	144	1,210
THREEMILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411					45	130	56	262	60	269	33	291
FALSE RIVER AT BRADFORD ISLAND	B9D80351400									174	892	47	898
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356						57	41	72	29	143	35	164
DUTCH SLOUGH AT FARRAR PARK BRIDGE	B9D80071384	5,100	2,250	690	88	110	192	98	434	68	420	103	409
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	120	160	130	122	219	308	196	318	170	284	181	246

\* Ocean water contains approximately 19,000 milligrams per liter of chloride.)

(a) For location see Figure D-5.

(b) Releases of stored water from Shasta Lake commenced in 1944.

(c) Average taken as mean annual unimpaired flow at confluence stations of major tributaries for 50-year period, October 1915 through September 1965, and does not include runoff from minor tributaries and from valley floor.

(d) Preliminary data subject to revision.

TABLE D-6  
SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS \*

(Chlorides in Milligrams Per Liter)

Station	Station Number	October 1967							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	EOB80352133	8,830	9,640	8,170	9,800		9,170		9,480
CARQUINEZ STRAIT AT MARTINEZ	EOB80192078		4,400 a	4,720	4,640	5,130 a	5,590	6,080	
SUISUN BAY AT PORT CHICAGO	EOB80342023	1,050		2,150	1,700		3,790	2,210	2,860
SUISUN BAY AT NICHOLS	EOB80301590	1,290 a		1,310 a	1,680	3,040	2,810	1,820	2,360
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	75 ade	83		49	60	86		37
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	26 a		23 a	27	24	29 ad		20
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	17 a	19	20 a	9 cd	15	15	14 a	13
THREEMILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	10 a	10 a	9 a	3	8 a	8 a	8 a	18
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	7	8	6	7	5	5	6	5
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	7	6	4	6	4	5	5	5
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	40	38 a	32 a	31	31 a	29 a	25 a	28
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE **	B9D80171450	41	34	28	22	26	24	21	
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261406	14 abd	15	15 a	13	16	14 a	16 abd	16
THREEMILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	11 a	11 a		11	12 a		12 a	14
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	13 a	11 a	12 ad	12	13	12 a	14 a	13
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	10 a	12 a	13 a	12	11	12	13 a	16
DUTCH SLOUGH AT FARRAR PARK BRIDGE	B9D80071384	18 a	21	20 a	20	20	20	22 a	23
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	78	78 a	90 a	94 a	99 a	46 a	47 a	46 a
November 1967									
Station	Station Number	2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	EOB80352133		8,800	6,810			9,100	10,000	11,700
CARQUINEZ STRAIT AT MARTINEZ	EOB80192078	5,200 a	7,250	6,060	4,180 a		5,270	5,990	8,360
SUISUN BAY AT PORT CHICAGO	EOB80342023	3,880	3,700	1,460		3,580	3,160	4,690 ed	6,750
SUISUN BAY AT NICHOLS	EOB80301590	3,600					1,550	4,010	
SACRAMENTO RIVER AT PITTSBURG	EOB80231530	84	100 a	96 abd	87 d	157	129	96	193
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	93	31 a	30		220	40 a	16	
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	18	16	19	18	26	20 a	15	25
THREEMILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	9	11 a	10	10	10 a	12 a	13	16
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	7	10	7	8	8	10	11	10
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	4	5	4	7	6	6	9	5
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	63	59	24 d	47	76	52 a	56	114
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	Station discontinued October 26, 1967							
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261406	17 a	18 a	24	25	25	22 bd	27	22 a
THREEMILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	13	14 a	16		16	16		21
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	14	16 a	18	19	55	21 a	20	24
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	14	16	15	16	17 a	18	18	18
DUTCH SLOUGH AT FARRAR PARK BRIDGE	B9D80071384	22	26	33	40	34	36	36	34
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	49 a	60 a		54 a	62 a	62 a	52 ab	46 a

\* Samples taken at four-day intervals approximately one and one-half hours after high tide.

\*\* Chloride values computed from conductivity recorder readings.

a Taken after low high tide.

d Taken over one hour off schedule time.

b Taken on following day.

e Taken on preceding day.

c Taken two days later.

f Taken two days earlier.



TABLE D-6  
SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS \*

(Chlorides In Milligrams Per Liter)

Station	Station Number	December 1967							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	10,100	7,710	6,920	7,330	11,400		9,460	10,300
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	5,270 a	6,220 a	3,180 ae	2,260	7,960 a	5,220 a	5,630 ae	8,310
SUISUN BAY AT PORT CHICAGO	E0B80342023	4,240	2,610			6,190	2,180	5,030	
SUISUN BAY AT NICHOLS	E0B80301590	4,310 d	2,230		1,390	5,320			5,070
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	170		49	36	336		59	172
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	340	42 a	25	49	74 a	18 bd	100	191
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	24	30 a	12	10	28		13	17
THREEMILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	15 a	14 a	11	20	13 a	15 a		
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	11	8	11	9	9	8	7	9
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	6	5	6	6	6	4	5	5
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	140	72 d	38	27	160	38 a	58	136
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	Station discontinued October 26, 1967							
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261406	29	30 abd	24 bd	26	22 a	30 a	24	23 a
THREEMILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	18 a	18 a		12	23 a		18	17
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	33		25	23 d	24	25 a	23 d	23
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	20	17	14	10	18	20		18
DUTCH SLOUGH AT FARRAR PARK BRIDGE	B9D80071384	38	41	46	36	32	38	38	35
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	47 a	51 a	58	50 a	56 a	64 a	64	65 a
Station	Station Number	January 1968							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	Broken	7,660		8,860	6,460	7,180	8,860	8,520
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	4,860 ad	2,510 d	7,690 a	7,920		5,240	7,060	4,880 a
SUISUN BAY AT PORT CHICAGO	E0B80342023		2,770	9,340	4,590	1,640	3,830		
SUISUN BAY AT NICHOLS	E0B80301590	862	2,540	7,850	4,090	1,100	1,590	4,310	2,590
SACRAMENTO RIVER AT PITTSBURG	B9D80231530		80	718 d	179 bd		36	68	132
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	68 a	40	142	295		20	86	21 a
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	18 a	14	20	24 bd	11 abd	8 bd	20	13
THREEMILE SLOUGH AT SACRAMENTO RIVER	B9D80641420		11	Broken	Broken	9 a	8	15	14 a
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	10	9	8	10	6	6	8	8
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	4	5	4	3	4	3	8	6
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	80	43	431	109	47	32	32	69
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	Station discontinued October 26, 1967							
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261406	29 a	22 bd	28 bd	27 a	27 a	27 bd	31	43 a
THREEMILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	18 a	16	Broken	21	24 a	19		24
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	21 a	21	64 d	25	25 a	24	26	25
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	18	18	16	21	22	10	22	23
DUTCH SLOUGH AT FARRAR PARK BRIDGE	B9D80071384	37	42	36	46	48	54	43	45
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	67 a	61	71 a	81 a	105 a	102	115 a	116 a

\* Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.

d Taken over one hour off schedule time.

b Taken on following day.

e Taken on preceding day.

c Taken two days later.

f Taken two days earlier.

TABLE D-6  
SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS\*

(Chlorides In Milligrams Per Liter)

Station	Station Number	February 1968							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	4,790	6,100	7,660	7,400	7,110	4,410	3,430	
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	2,010	2,870	2,390	5,650	2,850 a	670 ae	190 a	
SUISUN BAY AT PORT CHICAGO	E0B80342023	431	302	1,630	1,770	1,050			
SUISUN BAY AT NICHOLS	E0B80301590	148	1,960	2,350		785	48	20	
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	38 a		28	32	35			
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	16	17	17	18		14	9	
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	13	9	12	18	14	12	7	
THREEMILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	6	10	11	12	14	8	6	
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411								
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	2	5	5	6	7	3	4	
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	38	31	25	34	36	34	27	
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	Station discontinued October 26, 1967							
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261406	35	34 bd	32	30 a	30	32 bd	25	
THREEMILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	30	27	24	25			20	
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	26 a	26	28	30 a	27	25 a	24 d	
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	20	13	26	23	24	13	17	
DUTCH SLOUGH AT FARRAR PARK BRIDGE	B9D80071384	56	64	61	56	57	62	61	
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	113	119	78 a					
Station	Station Number	March 1968							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	2,880	1,820	4,500	6,350	4,310 ad	5,760		7,420 a
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	610	274	1,860	3,580	147 a	2,450	980 a	4,580
SUISUN BAY AT PORT CHICAGO	E0B80342023	202		174		98			1,760
SUISUN BAY AT NICHOLS	E0B80301590	16	12	87	444	50	35	116	1,090
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	22		20		20	22 d	17	21 a
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	8	8		16	13	16	12	35 a
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	5	8	8 bd	7	10	7	11	12 d
THREEMILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	5	4	8	8	8	11	10	9
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411			5	7	11	8	10	8
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	2	3	5	8	3	4	7	7
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	28 a	24	21	24	25	18	24	21
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	Station discontinued October 26, 1967							
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261406	25	26 bd	24	23 ad	21	20	20 a	18 a
THREEMILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	18			14	14	14	17	15
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	22	20	20	16 a	17		17	19
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	16	14	13	13	12 a	16	16	14
DUTCH SLOUGH AT FARRAR PARK BRIDGE	B9D80071384	62	39	56	41	43	39	32	30
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184		69	74 a	70 a	74	60	80 a	106

\* Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.

d Taken over one hour off schedule time.

b Taken on following day.

e Taken on preceding day.

c Taken two days later.

f Taken two days earlier.



TABLE D-6  
SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS\*

(Chlorides In Milligrams Per Liter)

Station	Station Number	April 1968							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133		5,900	9,920	11,500	9,250	9,920		11,500
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	2,750 a	4,900 ae	8,000	5,000 a	9,050	6,550 a	8,180	9,920
SUISUN BAY AT PORT CHICAGO	E0B80342023	1,950 ad	1,120	3,750	5,100		4,200		
SUISUN BAY AT NICHOLS	E0B80301590		610	3,820	4,650	4,220	3,300		6,520
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	23 a	23	50 bd	187 a	204 d			
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	18	20	20		525	331 a		1,360
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	12 bd	14	16	37	67	47 a	89 a	300
THREEMILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	10	12	11	15 a	21	18 a	18 a	72
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	6	8	10	11	10	9	12	12
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	8	8	9	6	9	6	8	8 ed
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	26	20	68	153 ad	191	158 a	180 a	
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450		21	24	47	136	95	187	762
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261406	24		24					
THREEMILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	16	14	15	13 a	17	16 a	18 a	34
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	18	18	17	17 a	25	18 ad	38 a	112
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	11	15	13	10 a	9	8 a	10 a	13
DUTCH SLOUGH AT FARRAR PARK BRIDGE	B9D80071384	30	30	27	26	20	25 a	27	36
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	88	90	138 a	190	204	182	168	163
Station	Station Number	May 1968							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133	11,200						12,000	11,500
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	6,790 a	7,830 a	10,400	6,920 a	9,100 ed	9,220	9,000	10,500
SUISUN BAY AT PORT CHICAGO	E0B80342023	7,050			9,190 ed	5,440		7,120	7,250
SUISUN BAY AT NICHOLS	E0B80301590	6,420	4,910 ad	7,100		4,540	2,140	5,980	4,030
SACRAMENTO RIVER AT PITTSBURG	B9D80231530			894 a		971		750 a	
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	1,540	940 a		1,630	1,700 g	1,420 g	1,750 g	1,800 g
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	368	161 a	104	245	154	68 a	66 a	258
THREEMILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	64	41 a	36 a	110	63 a	35 a	56	80
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	16	14	8	28	15	11	16	26
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	9	8	10	11	9	10	12	12
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	729	397	426 a	1,100	603	371 a	603	672
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	440	272	396	679	333	314	305	437
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261406								
THREEMILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	39	48 a	31 a	53	63	34	34 ad	56
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	95	54 a	61 a	194 d	98	68 a	150 bd	148
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	12 d	7 a	14 a	19	18	14 a	15 ad	24
DUTCH SLOUGH AT FARRAR PARK BRIDGE	B9D80071384	44	48 a	57 a	68	60	63 a	75	79
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	183	172 a	178	174	168	162	178	196

\* Samples taken at four-day intervals approximately one and one-half hours after high tide.  
a Taken after low high tide. e Taken on preceding day.  
b Taken on following day. f Taken two days earlier.  
c Taken two days later. g. Values from chloride recorder.  
d Taken over one hour off schedule time.

TABLE D-6  
SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS\*

(Chlorides In Milligrams Per Liter)

Station	Station Number	June 1968							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	EOB80352133	10,200	12,900 a	13,500	12,600	13,100 a	12,600	14,000	11,500
CARQUINEZ STRAIT AT MARTINEZ	EOB80192078	8,250	8,470	9,170 a	10,200	9,120 e	8,740 a	10,400 a	9,930
SUISUN BAY AT PORT CHICAGO	EOB80342023	4,950			8,010	7,180 e	7,480	10,400	7,810
SUISUN BAY AT NICHOLS	EOB80301590	4,650	6,530	8,830	7,090	6,500 e	7,520	6,260 a	7,760
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	1,080		1,800 d			1,110 a	1,750 a	1,790
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510			1,440 a	1,700 d	1,630 a	1,710 a	2,220 ad	
SACRAMENTO RIVER BELOW EMMATON	B9D80461452		139 a	232 a	325	408 a	291 a	628 a	507
THREEMILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	71	58 a	115 a	203	84 a	94	448	231
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	13	27	12	30	42	22	78	8
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	11	10	11	12	14	7	14	6
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	598	432 a	658 a	1,260	769 a	774 a	2,120 d	1,500
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	340	257 d	871	798	614	733	1,320	1,010
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261406								
THREEMILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	66	46 a	80 a	108	93 a	55	190	159
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	75 bd	53 bd	285	252	112 bd	174 d	483	334
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	10	13 a	18 a	29	13 a	34 a	71	34 a
DUTCH SLOUGH AT FARRAR PARK BRIDGE	B9D80071384	73	73 a	87	92	107 a	158 a	237	227
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	246	225	210	199	194	230	191	219
July 1968									
Station	Station Number	2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	EOB80352133	13,600		14,600	12,800	14,800 e	13,300		
CARQUINEZ STRAIT AT MARTINEZ	EOB80192078	10,400 a	11,800 e	12,600	10,700	8,180 a	12,500	13,600	8,320
SUISUN BAY AT PORT CHICAGO	EOB80342023	8,180	9,590	10,600	8,230	8,540 e	10,300	6,820 a	7,980
SUISUN BAY AT NICHOLS	E9B80301590	7,280	9,370	9,590	7,350	7,640 e	9,420	9,730	8,200
SACRAMENTO RIVER AT PITTSBURG	B9D80231530		2,340 a		2,820 a		2,730 a		
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	2,420 a	2,600 a	2,510 a	2,630 a		2,740 a	3,820 bd	2,720
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	956 a	660 a	1,220	752 a	316 a	662 a	1,540	990 a
THREEMILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	212 a	327 a	660	252 a	146 a	282 a	539	290 a
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411				109	71	126	198	139
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	8 ed		12	9	8	8	13	8
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111418	1,450 a	1,170 a	1,210 a	2,070 a	1,960	1,420 a	2,730	1,600
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450				1,210	1,350	1,430	2,020	1,260 bd
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261406			1,010 bd	362	298 a	1,210 bd	1,140	548
THREEMILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	177 a	211 a	205 a	291 a				
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	171 ad	898 bd	762	478 a	233 a	562 bd	750	382 a
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	34 a	75 a	164	38 a	34 a	52 a	60 a	68 a
DUTCH SLOUGH AT FARRAR PARK BRIDGE	B9D80071384	209 a	211 a	342	291	263 a	316 a	335 a	379
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	224 a	236	212	210 a	207	233	232	204 a

\* Samples taken at four-day intervals approximately one and one-half hours after high tide.

a Taken after low high tide.

d Taken over one hour off schedule time.

b Taken on following day.

e Taken on preceding day.

c Taken two days later.

f Taken two days earlier.



TABLE D-6  
SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS \*

(Chlorides In Milligrams Per Liter)

Station	Station Number	August 1968							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133				13,600	13,100 e		12,400	13,600
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	11,100 e	11,200	10,500 a	8,620 a	9,930 e	8,570 a	9,610	10,200
SUISUN BAY AT PORT CHICAGO	E0B80342023	9,250 e	10,700 bd	9,420	8,490		5,390 a	6,160	8,960
SUISUN BAY AT NICHOLS	E0B80301590			8,470	7,860	7,620 e	7,480	5,990	8,280
SACRAMENTO RIVER AT PITTSBURG	B9D80231530		1,890 a	2,230 a		1,610 a	1,350 abd		1,130
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	2,130 a	2,110			1,670 ad	1,560 a	1,650	1,100 a
SACRAMENTO RIVER BELOW EMMATON	B9D80461452	495 a	578 a	1,200	388 a		347 a	261	176 a
THREEMILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	180 a	259 a	375	205 a	134 a	148 ad	81	82 a
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	100 e	13	121	61	45	52	55	58
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	8 a	8	9	9	10	9	10	13
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	1,400 e	1,210 a	1,940	1,080 a	1,080 a	1,530	1,060	728 a
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	2,320 bd		1,460	1,160	291	784	728	1,020
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261406	680 e	1,040 bd	641	388			362	
THREEMILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411	239 a	189 a	257	163 a	155 a	134 a	95 a	
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	262 a	312 a	390 d	202 ad	219 ad	203 a	224	154 a
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	46 a	51 a	103	41 a	43 a	35 a	32	16 a
DUTCH SLOUGH AT FARRAR PARK BRIDGE	B9D80071384	345 a	324 a	363	409	270 a	230 a	209	194 a
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	195 a	197	201	213 a	207 ad	163	158	153 a
Station	Station Number	September 1968							
		2	6	10	14	18	22	26	30
SUISUN BAY									
CARQUINEZ STRAIT AT CROCKETT	E0B80352133		13,600	12,900	11,300	11,300	13,000		11,100 d
CARQUINEZ STRAIT AT MARTINEZ	E0B80192078	8,930 a	11,200	9,940	7,810 a	8,790 a	8,650	8,060 ade	12,500 e
SUISUN BAY AT PORT CHICAGO	E0B80342023	9,220 e	8,400	6,540	7,370	8,280 b	4,750 a	8,080	8,650 e
SUISUN BAY AT NICHOLS	E0B80301590	7,090 e	3,110 a	5,980	5,520		4,640	7,780	7,620
SACRAMENTO RIVER AT PITTSBURG	B9D80231530	1,360 a	1,270 a	1,080 b	874 a	969 a	762 a		1,190 a
SACRAMENTO RIVER DELTA									
SACRAMENTO RIVER AT COLLINSVILLE	B9D80441510	1,250 bda	1,710 a	1,650	928 a	1,250 ad	1,040 a	1,650	1,630 d
SACRAMENTO RIVER BELOW EMMATON	B9D80461452		739		50 a	97 ab	63 a	131 a	138 a
THREEMILE SLOUGH AT SACRAMENTO RIVER	B9D80641420	186 a	158	73 a	49 a	47 a	41 a	64 a	89 a
SACRAMENTO RIVER AT RIO VISTA BRIDGE	B9D80961411	49	68	25	21	23	25	30	30 e
SACRAMENTO RIVER AT ISLETON BRIDGE	B9D81031356	17	11	12	12	12	5.8	11	9
SAN JOAQUIN RIVER DELTA									
SAN JOAQUIN RIVER AT ANTIOCH	B9D80111481	631 a	1,090	627 a	413 a	571 a	472 a	603 a	526 a
SAN JOAQUIN RIVER AT ANTIOCH BRIDGE	B9D80171450	243	806	540	540	298	397	608	950 e
SAN JOAQUIN RIVER AT JERSEY ISLAND	B9D80261406		268 b						
THREEMILE SLOUGH AT SAN JOAQUIN RIVER	B9D80521411		82 a	66 a		66 a		57 a	70 a
FALSE RIVER AT BRADFORD ISLAND	B9D80351400	184 a	180	117 a	93 a	93 ad	105 a	78 a	113 a
SAN JOAQUIN RIVER AT SAN ANDREAS LANDING	B9D80631356	26 a	28 a	20 ad	24 a	21 a	19 a	27	23 a
DUTCH SLOUGH AT FARRAR PARK BRIDGE	B9D80071384	199 a	205	156	140 b	118 a	110	110	147
SAN JOAQUIN RIVER AT MOSSDALE BRIDGE	B9D74711184	186	177	170 a	161 a	165	163	150 a	153

\* Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.

b Taken on following day

c Taken two days later.

d Taken over one hour off schedule time.

e Taken on preceding day.

f Taken two days earlier.

TABLE D-7

## PLANKTON ANALYSIS OF SURFACE WATER

Phytoplankton

<u>Total</u>	-	Total phytoplankton count per milliliter
<u>Bl-Gr</u>	-	Blue-Green Algae
<u>C/F</u>	-	Cocoid over Filamentous (undifferentiated if dividing line not shown)
<u>Green</u>	-	Green Algae
<u>Flag</u>	-	Flagellates
<u>Gr/O</u>	-	Green over Other Pigmented (undifferentiated if dividing line not shown)
<u>C/P</u>	-	Centric over Pennate (undifferentiated if dividing line not shown)

Most Abundant Phytoplankton - Indicates specific genus code over its percentage of total

<u>Blue-Green Algae</u>	<u>Green Algae (Continued)</u>	<u>Diatoms</u>
B 99 Unidentified	<u>Cocoid (Continued)</u>	<u>Centric</u>
<u>Cocoid</u>	G 19 Schroderia	D 00 Unidentified Centric
	G 20 Elakatothrix	D 01 Biddulphia
B 00 Unidentified Cocoid	G 21 Sphaerocystis	D 02 Coscinodiscus
B 03 Anacystis	G 22 Selenastrum	D 03 Cyclotella
B 06 Dactylococcopsis	G 23 Tetraedron	D 04 Melosira (salt water)
	G 24 Hormidium	D 05 Melosira (fresh water)
<u>Filamentous</u>	<u>Filamentous</u>	D 06 Stephanodiscus
B 50 Unidentified Filamentous		D 07 Rhizosolenia
B 51 Anabaena	G 50 Unidentified Filamentous	<u>Pennate</u>
B 52 Aphanizomenon		D 50 Unidentified Pennate
B 55 Oscillatoria	<u>Flagellates</u>	D 51 Achnanthes
<u>Green Algae</u>	F 99 Unidentified	D 52 Amphiprora
G 99 Unidentified	<u>Green</u>	D 55 Asterionella
<u>Cocoid</u>	F 00 Unidentified Green	D 57 Cocconeis
G 00 Unidentified Cocoid	F 01 Dinoflagellates	D 60 Diatoma
G 02 Ankistrodesmus	F 03 Euglena	D 61 Diploneis
G 05 Closterium	F 07 Phacus	D 62 Fragilaria
G 07 Crucigenia	F 08 Trachelomonas	D 64 Gyrosigma
G 08 Dictyosphaerium	<u>Other Pigmented</u>	D 65 Navicula
G 10 Lagerheimia		D 66 Nitzschia
G 12 Oocystis	F 50 Unidentified Other	D 68 Rhoicosphenia
G 15 Scenedesmus	F 52 Dinobryon	D 70 Synedra
G 16 Staurastrum	F 55 Ceratum	D 71 Tabellaria
G 18 Tetrastrum	F 56 Cryptomonas	D 72 Skelelonema

Zooplankton

<u>Total</u>	-	Total zooplankton count per milliliter
<u>Crust</u>	-	Crustacea
<u>Misc</u>	-	Miscellaneous Zooplankton

Most Abundant ZooplanktonRotifers

R 99 Unidentified Rotifers

Crustacea

C 99 Unidentified Crustacea

Copecods

C 50 Unidentified

Crustacea (Continued)Cladocerans

C 01 Cladocera

C 02 Nauplii

C 06 Crab Zoea

C 07 Crab Larvae

Miscellaneous

M 02 Annelid Worms

M 03 Fish Larvae

M 04 Pulvinulina



TABLE D-7  
PLANKTON ANALYSIS OF SURFACE WATER

DATE TIME	PHYTOPLANKTON (NO./ML)					MOST ABUNDANT PHYTOPLANKTON (GENUS / %)								ZOOPLANKTON (NO./L)			MOST ABUNDANT ZOOPLANKTON (GENUS/%)			SAMP	LAB.	
	TOTAL	BL-GR C/F	GREEN C/F	FLAG GR/O	DIATOMS C/P	1	2	3	4	5	6	7	8	TOTAL	ROTIFER	CRUST	MISC	1	2			3
AO 5165.00 FEATHER RIVER NEAR GRIDLEY																						
06-02-67	1508	32	64	580	640 192	D 03 42.4	F 00 38.5	D 66 4.2	D 70 4.2	D 50 4.2	G 00 4.2	B 00 2.1									5050	5050
11-06-67	380		32	220	32 96	F 00 57.9	D 66 16.8	D 62 8.4	D 05 8.4	G 19 8.4											5050	5050
12-04-67	546		64	160	128 194	F 00 29.3	D 71 23.8	D 03 17.6	G 19 11.7	D 04 5.9	D 55 5.9	D 66 5.9									5050	5050
01-03-68	612		96	452	64	F 00 68.6	G 02 10.5	G 20 5.2	F 52 5.2	D 03 5.2	D 07 5.2										5050	5050
03-06-68	888	32	316	380	128 32	F 00 42.8	G 02 24.8	D 03 10.8	G 15 7.2	B 03 3.6	G 10 3.6	D 05 3.6	D 70 3.6								5050	5050
04-03-68	1154		64	510	160 420	F 00 44.2	D 55 36.4	D 03 13.9	G 15 2.8	G 19 2.8											5050	5050
05-01-68	1060		64	260	640 96	D 03 60.4	F 00 24.5	D 51 6.0	G 02 3.0	G 19 3.0	D 66 3.0										5050	5050
06-05-68	1252		226	930	64 32	F 00 74.3	G 19 10.4	G 02 7.7	D 03 5.1	D 68 2.6	D 62 *										5050	5050
07-03-68	6060		32	2400	3500 128	F 00 39.6	D 05 38.0	D 03 19.8	D 66 1.6	D 70 0.5	G 19 0.5	D 57 *									5050	5050
08-07-68	1892		130	770	960 32	F 00 40.7	D 03 28.5	D 05 22.2	G 02 6.9	D 66 1.7											5050	5050
09-04-68	1280		96	772	380 32	F 00 57.7	D 03 29.6	G 15 5.0	G 22 2.5	F 52 2.5	D 51 2.5										5050	5050
AO 5191.00 FEATHER RIVER AT OROVILLE																						
12-04-67	668		64	380	96 128	F 00 56.9	D 03 14.4	G 19 9.6	D 71 9.6	D 70 4.8	D 55 4.8										5050	5050
01-03-68	414			350		F 00 87.0	D 71 13.0														5050	5050
A5 R 811.0 036.1 ANTELOPE RESERVOIR (STATION 1)																						
09-19-68	1516	64	64	1324		F 00 72.6	F 08 6.3	F 56 6.3	B 51 4.2	G 19 4.2	F 52 2.1	D 62 2.1	D 71 2.1								5050	5050
A5 R 932.7 128.5 LAKE OROVILLE (STATION 1)																						
04-18-68	542			220	32 290	D 55 53.5	F 00 40.6	D 03 5.9													5050	5050
06-13-68	540			540		F 00 100															5050	5050
07-12-68	1026			962	64	F 00 90.6	D 71 6.2	F 03 3.1													5050	5050
08-08-68	798		128	670		F 00 84.0	G 21 12.0	G 12 4.0													5050	5050
09-05-68	1890		130	1600	160	F 00 84.7	D 62 8.5	G 22 6.8	B 52 *	B 51 *	D 71 *	F 55 *	G 20 *								5050	5050
A5 R 933.1 125.7 LAKE OROVILLE (STATION 3)																						
04-18-68	542		32	350	160	F 00 64.6	D 55 29.5	G 19 5.9													5050	5050
05-16-68	926		96	830		F 00 89.6	G 19 10.4														5050	5050
06-13-68	574		32	510	32	F 00 88.9	G 19 5.6	D 03 5.6													5050	5050
07-12-68	1100			1100		F 00 100															5050	5050
08-08-68	1064	32	32	1000		F 00 94.0	B 55 3.0	G 21 3.0													5050	5050
09-05-68	1580		190	1200	190	F 00 75.9	G 22 12.0	D 62 12.0													5050	5050
A5 R 933.4 128.0 LAKE OROVILLE (STATION 4)																						
05-16-68	1054		64	990		F 00 93.9	G 19 6.1														5050	5050
05-16-68	580		96	420	32 32	F 00 72.4	G 19 16.6	D 03 5.5	D 70 5.5												5050	5050
A5 R 937.0 129.3 LAKE OROVILLE (STATION 2)																						
04-18-68	1310		64	960	96 190	F 00 73.3	D 55 14.5	D 03 7.3	G 02 4.9												5050	5050
05-16-68	990		128	830	32	F 00 83.8	G 19 9.6	G 08 3.2	D 03 3.2												5050	5050
05-16-68	322		32	290		F 00 90.0	G 19 10.0	F 52 *	D 05 *	D 08 *											5050	5050
06-13-68	1432		32	1400		F 00 97.8	G 02 2.2														5050	5050
07-12-68	1100			1100		F 00 100															5050	5050
08-08-68	708		96	612		F 00 81.9	G 21 13.6	F 52 4.5													5050	5050

\*-present but not counted.

TABLE D-7  
PLANKTON ANALYSIS OF SURFACE WATER

DATE TIME	PHYTOPLANKTON (NO/ML)					MOST ABUNDANT PHYTOPLANKTON (GENUS / %)								ZOOPLANKTON (NO / L)				MOST ABUNDANT ZOOPLANKTON (GENUS/%)			SAMP	LAB.
	TOTAL	BL-GR C/F	GREEN C/F	FLAG GR/O	DIATOMS C/P	1	2	3	4	5	6	7	8	TOTAL	ROTIFER	CRUST	MISC	1	2	3		
A5 R 953.0 028.6 LAKE DAVIS (STATION 1)																						
09-18-68 1115	1210		284	926		F 00 68.6	G 19 18.2	F 56 5.3	G 16 2.6	G 21 2.6	F 08 2.6										5050	5050
A5 R 954.0 011.6 FRENCHMAN RESERVOIR (STATION 9)																						
09-18-68 1430	700		160	540		F 00 77.1	G 19 22.9														5050	5050
B9 D 748.7 134.7 DELTA-MENDOTA CANAL INTAKE AT TRACY PUMPING PLANT																						
10-02-67 --	3818	128	258	1540	1732 160	D 03 44.5	F 00 40.3	G 00 6.8	D 50 4.2	B 00 3.3	D 04 0.8										5050	5050
11-06-67 1330	3970	32	1026	1230	1332 350	D 03 32.7	F 00 31.0	G 24 16.1	G 00 9.7	D 66 4.8	D 50 4.0	D 05 0.8	B 06 0.8								5050	5050
12-04-67 1330	1786		160	674	540 412	F 00 34.2	D 03 30.2	D 66 21.3	G 24 3.6	G 22 3.6	F 03 3.6	G 15 1.8	D 70 1.8								5050	5050
01-03-68 1245	2262		412	1500	286 64	F 00 66.3	G 02 16.8	D 03 8.4	D 05 2.8	D 70 2.8	G 15 1.4	D 06 1.4									5050	5050
03-06-68 --	3348		930	1396	830 192	F 00 41.7	G 02 23.0	D 03 20.0	D 50 5.7	G 00 4.8	D 04 4.8										5050	5050
04-03-68 1115	2386		316	1024	950 96	F 00 42.9	D 03 22.6	G 02 9.2	D 06 9.2	D 05 8.0	G 18 4.0	D 50 4.0									5050	5050
05-01-68 1015	6382	32	384		3610 256	F 00 32.9	D 03 29.8	D 06 18.8	D 05 8.0	G 02 5.0	D 50 4.0	G 15 1.0	B 55 0.5								5050	5050
B9 D 750.9 135.3 ITALIAN SLOUGH NEAR MOUTH																						
11-06-67 1250	3614	96	926	1200	1296 96	F 00 33.2	D 03 33.2	G 24 14.9	G 00 7.1	G 02 3.6	D 00 2.7	B 06 2.6	D 66 2.6								5050	5050
12-04-67 1300	1128		64	772	260 32	F 00 65.6	D 03 23.0	G 23 5.7	F 03 2.8	D 64 2.8											5050	5050
01-03-68 1200	4484		1864	1296	1292 32	G 02 40.1	F 00 26.8	D 03 24.5	F 03 2.1	D 04 2.1	D 05 2.1	G 24 1.4	D 70 0.7								5050	5050
B9 D 753.5 129.3 MIDDLE RIVER AT BORDEN HIGHWAY NEAR TRACY																						
09-19-68																		No clam larvae			5050	5050
B9 D 753.5 134.2 OLD RIVER NEAR BYRON																						
09-19-68																		No clam larvae			5050	5050
B9 D 801.1 148.8 SAN JOAQUIN RIVER BY ANTIOCH																						
10-04-67 1055	2550	32	256	450	1490 322	D 03 47.1	F 99 17.6	D 05 11.4	D 50 6.4	G 24 6.3	D 66 6.3	G 00 3.8	B 06 1.3	865	840	25		R 99 97.1	C 02 2.9		5050	5050
08-08-68 1120	3234		612	380	1664 578	D 03 30.6	D 72 13.9	G 02 13.0	F 00 11.8	D 00 10.9	D 04 9.9	G 00 5.9	D 50 4.0	358		350	8	C 02 64.2	C 50 33.5	M 04 2.2	5050	5050



## TABLE D-8

## NUTRIENTS IN SURFACE WATER

## Abbreviations and Chemical Codes

NITROGEN SERIES

NO <sub>3</sub>	-	Nitrate
NO <sub>2</sub>	-	Nitrite
ORG	-	Organic Nitrogen
NH <sub>4</sub>	-	Ammonium
TOTAL	-	Total Nitrogen
N	-	Nitrogen

PHOSPHATE SERIES

ORTHO	-	Ortho Phosphate (Not filtered)
HYDRO	-	Hydrolizable Phosphates (Not filtered)
TOTAL	-	Total and Organic Phosphates (Not filtered)

MISCELLANEOUS NUTRIENTS

CODE	-	KN Kjeldahl Nitrogen
		RP Reactive Phosphate (Not filtered)
UR	-	M Milligrams per liter
		MY Less than value indicated in milligrams per liter
<u>SAMP</u>	-	Codes for agency collecting sample
5001	-	U. S. Bureau of Reclamation
5050	-	Department of Water Resources
<u>LAB</u>	-	Codes for laboratory performing analysis
5006	-	McClellan Air Force Base laboratory used by USBR.
5050	-	Department of Water Resources laboratory at Bryte.
5060	-	Department of Public Health Sanitation and Radiation laboratory

TABLE D-8  
NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS												SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
	NO <sub>3</sub>	NO <sub>2</sub>	ORG	NH <sub>4</sub>	TOTAL	ORTHO	HYDRO	TOTAL														
A0 5103.00 FEATHER RIVER AT NICOLAUS																						
10-02-67	0.2		0.3	0.07		0.02		0.05												5050	5050	
11-06-67 1240	0.2		0.4	0.00		0.01		0.03												5050	5050	
12-04-67 1000	0.1		0.3	0.07		0.02		0.08												5050	5050	
01-03-68 1330	0.2		0.3	0.06		0.00		0.03												5050	5050	
03-06-68 1030	0.1	0.00	0.2	0.07		0.02		0.04												5050	5050	
04-03-68 1045	0.0		0.2	0.10		0.01		0.06												5050	5050	
05-01-68 0915	0.01		0.2	0.02		0.01	0.04	0.08												5050	5050	
06-05-68 0930	0.06		0.2	0.03		0.01	0.03	0.05												5050	5050	
07-03-68 0830	0.05		0.4	0.00		0.02		0.07												5050	5050	
08-07-68 1230	0.02		0.2	0.02		0.01	0.03	0.05												5050	5050	
09-04-68 1050	0.03		0.2	0.06		0.01	0.02	0.04												5050	5050	
A0 5165.00 FEATHER RIVER NEAR GRIDLEY																						
10-02-67	0.1		0.3	0.05		0.02		0.10												5050	5050	
11-06-67 1030	0.1		0.4	0.14		0.00		0.01												5050	5050	
12-04-67 1130	0.1		0.2	0.10		0.00		0.03												5050	5050	
01-03-68 0930	0.1		0.2	0.12		0.00		0.02												5050	5050	
03-06-68 1200	0.1	0.00	0.3	0.06		0.01		0.05												5050	5050	
04-03-68 1200	0.0		0.2	0.12		0.00		0.04												5050	5050	
05-01-68 1130	0.19		0.2	0.02		0.01	0.02	0.05												5050	5050	
06-05-68 1105	0.03		0.2	0.06		0.00	0.01	0.03												5050	5050	
07-03-68 1200	0.06		0.2	0.02		0.03	0.00	0.04												5050	5050	
08-07-68 1130	0.04		0.2	0.04		0.01	0.00	0.02												5050	5050	
09-04-68 0925	0.01		0.2	0.04		0.00	0.01	0.01												5050	5050	
A0 5191.00 FEATHER RIVER AT OROVILLE																						
12-04-67 1330	0.0		0.2	0.09		0.00		0.05												5050	5050	
01-03-68 1100	0.1		0.1	0.01		0.00		0.05												5050	5050	
A5 R 932.7 128.5 LAKE OROVILLE (STATION 1)																						
04-18-68 1700	0.02		0.1	0.01		0.00	0.00	0.02												5050	5050	
06-13-68 1122							0.03													5050	5050	
07-12-68	0.03		0.2	0.02		0.00		0.01												5050	5050	
09-05-68 1130 (3 Meters)	0.03		0.3	0.04		0.02	0.00	0.02												5050	5050	
09-05-68 1150 (33 Meters)	0.02		0.1	0.06		0.01	0.00	0.02												5050	5050	
09-05-68 1200 (60 Meters)	0.12		0.1	0.06		0.02	0.00	0.02												5050	5050	
09-05-68 1210 (90 Meters)	0.08		0.2	0.01		0.01	0.00	0.02												5050	5050	



TABLE D-8  
NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS												SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
	NO <sub>3</sub>	NO <sub>2</sub>	ORG	NH <sub>4</sub>	TOTAL	ORTHO	HYDRO	TOTAL														
A5 R 932.7 128.5 LAKE OROVILLE (STATION 1)(Continued)																						
09-05-68 1220 (120 Meters)	0.13		0.1	0.00		0.01	0.00	0.02												5050	5050	
A5 R 933.1 125.7 LAKE OROVILLE (STATION 3)																						
04-18-68 1730	0.03		0.2	0.07		0.00	0.00	0.02												5050	5050	
06-13-68 1615							0.06													5050	5050	
07-12-68	0.05		0.0	0.00		0.00		0.02												5050	5050	
09-05-68 1315 (120 Meters)	0.14		0.2	0.01		0.02	0.00	0.04												5050	5050	
A5 R 937.0 129.3 LAKE OROVILLE (STATION 2)																						
04-18-68 1610	0.02		0.1	0.00		0.00	0.00	0.05												5050	5050	
06-13-68 1355							0.01													5050	5050	
07-12-68	0.02		0.1	0.00		0.00		0.02												5050	5050	
A5 2250.00 FEATHER RIVER, WEST BRANCH, NEAR PARADISE																						
09-11-68 1215	0.03		0.2	0.09		0.00	0.00	0.01												5050	5050	
A5 3151.01 FEATHER RIVER, NORTH FORK, ABOVE POE DAM																						
09-11-68 1345	0.08		0.3	0.16		0.01	0.03	0.05												5050	5050	
A5 5100.00 FEATHER RIVER, MIDDLE FORK, NEAR MERRIMAC																						
09-11-68 0820	0.02		0.2	0.10		0.01	0.00	0.01												5050	5050	
A5 6925.80 FEATHER RIVER, SOUTH FORK, MINERS RANCH DITCH AT SOUTH FORK BRIDGE																						
09-11-68 1015	0.02		0.1	0.07		0.00	0.00	0.01												5050	5050	
B9 D 748.7 134.7 DELTA-MENDOTA CANAL INTAKE AT TRACY PUMPING PLANT																						
10-02-67 1240	0.9		0.9	0.15		0.13		0.25												5050	5050	
11-06-67 1330	0.8		0.5	0.48		0.10		0.11												5050	5050	
12-04-67 1330	0.7		0.4	0.20		0.11		0.26												5050	5050	
01-03-68 1245	1.0		0.3	0.17		0.08		0.10												5050	5050	
03-06-68 1200	2.1	0.03	1.2	0.28		0.07	0.04	0.16												5050	5050	
04-03-68 1115	0.84	0.01	0.6	0.12		0.08	0.04	0.16												5050	5050	
B9 D 750.9 135.3 ITALIAN SLOUGH NEAR MOUTH																						
11-06-67 1250	0.8		0.4	0.15		0.08		0.08												5050	5050	
12-04-67 1300	0.7		0.3	0.13		0.10		0.15												5050	5050	
01-03-68 1200	0.8		0.3	0.18		0.08		0.10												5050	5050	
B9 D 800.5 134.8 OLD RIVER AT HOLLAND TRACT																						
04-19-68 1130	0.4	<0.1	0.75	0.0	1.15	0.34		0.42												5001	5006	
05-21-68 1400	0.1	0.0	1.05	0.0	1.15	0.11		0.17												5001	5006	
07-18-68 1445	0.4	<0.1	1.75	0.1	2.25	0.12		0.16												5001	5006	
08-15-68 1320	0.3	<0.1	0.1	<0.1	0.4	0.03		0.03												5001	5006	
09-27-68 1320	0.4	<0.1	0.6	0.1	1.10	0.1		0.12												5001	5006	

TABLE D-8  
NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS												SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
	NO <sub>3</sub>	NO <sub>2</sub>	ORG	NH <sub>4</sub>	TOTAL	ORTHO	HYDRD	TOTAL														
B9 D 800.7 138.4 DUTCH SLOUGH AT FARRAR PARK BRIDGE																						
03-28-68 1345	<0.10	<0.10	0.30	0.10	0.40	0.05		0.16												5001	5006	
03-28-68 2015	<0.10	<0.10	0.87	0.10	0.97	0.08		0.13												5001	5006	
03-29-68 0135	0.50	<0.10	0.48	0.08	1.06	0.05		0.14												5001	5006	
03-29-68 0745	0.10	<0.10	0.44	0.00	0.54	0.05		0.24												5001	5006	
04-23-68 1345	0.4	<0.1	0.41	<0.05	0.81	0.10		0.10												5001	5006	
04-23-68 1850	0.4	<0.1	0.30	0.00	0.70	0.10		0.10												5001	5006	
04-24-68 0100	0.4	<0.1	1.06	0.31	1.77	0.22		0.22												5001	5006	
04-24-68 0625	0.3	<0.1	0.93	0.0	1.23	0.10		0.14												5001	5006	
05-21-68 1255	<0.5	<0.5	1.30	0.0	1.30	0.10		0.12												5001	5006	
05-21-68 1830	0.6	0.0	1.38	0.0	1.44	0.14		0.17												5001	5006	
05-22-68 0045	0.4	0.0	1.32	0.0	1.36	0.11		0.18												5001	5006	
05-22-68 0645	0.5	0.0	1.52	0.0	1.57	0.14		0.15												5001	5006	
07-18-68 1330	0.4	<0.1	1.15	<0.1	1.55	<0.1		0.16												5001	5006	
07-23-68 1305	0.5	<0.1	0.5	0.2	1.20	0.12		0.40												5001	5006	
07-23-68 1830	0.6	<0.1	0.8	0.4	1.80	<0.1		0.12												5001	5006	
07-24-68 0045	0.5	<0.1	0.7	<0.1	1.20	0.12		0.12												5001	5006	
07-24-68 0640	0.5	<0.1	0.5	0.1	1.10	0.12		0.12												5001	5006	
08-15-68 1245	0.3	<0.1	0.1	<0.1	0.4	0.16		0.16												5001	5006	
09-27-68 1240	0.4	<0.1	0.6	<0.1	1.0	0.10		0.11												5001	5006	
B9 D 800.8 143.9 BIG BREAK AT BIG BREAK RESORT NEAR OAKLEY																						
03-05-68 1220	0.65	0.0	2.30	0.06	3.01	0.08		0.16												5001	5006	
03-28-68 1200	0.50	<0.10	0.90	0.08	1.48	0.08		0.12												5001	5006	
03-28-68 1830	0.50	<0.10	0.42	0.02	0.94	0.05		0.12												5001	5006	
03-29-68 0001	0.50	<0.10	0.38	0.02	0.90	0.05		0.12												5001	5006	
03-29-68 0620	0.50	<0.10	0.32	0.11	0.93	0.05		0.12												5001	5006	
04-23-68 1300	0.2	<0.10	0.68	0.0	0.88	0.05		0.07												5001	5006	
04-23-68 1810	0.1	<0.1	0.78	0.08	0.96	0.00		0.00												5001	5006	
04-24-68 0015	0.3	<0.1	0.73	0.16	1.19	0.05		0.05												5001	5006	
04-24-68 0600	0.2	<0.1	0.68	<0.05	0.88	0.08		0.08												5001	5006	
05-21-68 1215	<0.5	<0.5	0.60	0.0	0.60	0.10		0.12												5001	5006	
05-21-68 1800	<0.5	<0.5	0.61	0.0	0.61	0.05		0.14												5001	5006	
05-22-68 0000	<0.5	<0.5	0.75	0.13	0.88	0.10		0.10												5001	5006	
05-22-68 0615	<0.5	<0.5	0.60	<0.05	0.60	0.08		0.17												5001	5006	
07-17-68 1300	0.4	<0.1	0.48	<0.1	0.88	0.1		0.16												5001	5006	



TABLE D-8  
NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS								SAMP	LAB	
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE			UR
	NO <sub>3</sub>	NO <sub>2</sub>	ORG	NH <sub>4</sub>	TOTAL	ORTHO	HYDRO	TOTAL											
B9 D 800.8 143.9 BIG BREAK AT BIG BREAK RESORT NEAR OAKLEY (Continued)																			
07-23-68 1215	0.5	<0.1	0.6	0.1	1.20	<0.1		0.12										5001	5006
07-23-68 1800	0.5	<0.1	0.5	0.1	1.10	0.12		0.18										5001	5006
07-24-68 0600	0.5	<0.1	0.4	<0.1	0.90	0.22		0.25										5001	5006
07-24-68 2400	0.5	<0.1	1.2	0.1	1.80	0.12		0.12										5001	5006
08-15-68 1200	0.2	<0.1	<0.1	<0.1	0.20	0.06		0.11										5001	5006
09-27-68 1150	0.4	<0.1	0.8	0.3	1.50	<0.1		0.1										5001	5006
B9 D 801.1 142.6 BIG BREAK NEAR OAKLEY																			
07-23-68 1500	0.5	<0.1	0.7	<0.1	1.20	0.12		0.25										5001	5006
07-23-68 1800	0.5	<0.1	0.4	0.2	1.10	<0.1		0.18										5001	5006
07-24-68 0015	0.5	<0.1	0.5	<0.1	1.00	0.12		0.12										5001	5006
07-24-68 0600	0.5	<0.1	0.7	<0.1	1.20	0.12		0.12										5001	5006
B9 D 801.1 148.1 SAN JOAQUIN RIVER AT ANTIOCH																			
01-26-68 1151	0.45	<0.05	0.21	0.11	0.77	0.00		0.24										5001	5006
02-27-68 1420	0.7	<0.1	0.38	0.13	1.21	0.09		0.14										5001	5006
B9 D 801.1 148.8 SAN JOAQUIN RIVER BY ANTIOCH																			
10-04-67 1055	0.1	0.00	0.6	0.06		0.06	0.03	0.13										5050	5050
12-04-67 1210	0.4	0.01	0.4	0.18		0.05	0.03	0.11										5050	5050
02-15-68 1130	0.8	0.01	0.7	0.12		0.06	0.04	0.14										5050	5050
04-15-68 1230	0.28	0.00	0.4	0.36		0.05	0.10	0.18										5050	5050
06-11-68 1125	0.20	0.00	0.6	0.01		0.07	0.05	0.20										5050	5050
08-08-68 1120	0.3	0.00	0.7	0.07		0.08	0.06	0.22										5050	5050
B9 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL																			
02-27-68 1415	0.6	<0.1	0.56	0.14	1.30	0.11		0.17										5001	5006
03-28-68 1220	<0.10	<0.10	0.45	0.17	0.62	0.05		0.16										5001	5006
03-28-68 1800	0.50	<0.10	0.56	0.19	1.25	0.10		0.16										5001	5006
03-29-68 0001	0.40	<0.10	0.56	0.17	1.13	0.08		0.13										5001	5006
03-29-68 0600	0.50	<0.10	0.50	0.11	1.11	0.20		0.48										5001	5006
04-23-68 1305	0.4	<0.1	1.53	0.10	2.03	0.19		0.19										5001	5006
04-23-68 1830	0.3	<0.1	0.68	0.0	0.98	0.08		0.09										5001	5006
04-24-68 0050	<0.1	<0.1	0.96	0.0	0.96	0.10		0.10										5001	5006
04-24-68 0600	0.4	<0.1	0.78	0.08	1.26	0.12		0.12										5001	5006
05-21-68 1225	<0.5	<0.5	1.55	<0.05	1.55	0.10		0.21										5001	5006
05-21-68 1755	<0.5	<0.5	1.55	<0.05	1.55	0.13		0.15										5001	5006
05-22-68 0000	<0.5	<0.5	1.60	0.22	1.82	0.10		0.21										5001	5006
05-22-68 0600	<0.5	<0.5	1.65	0.35	2.00	0.10		0.15										5001	5006

TABLE D-8  
NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS												SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
	NO <sub>3</sub>	NO <sub>2</sub>	ORG	NH <sub>4</sub>	TOTAL	ORTHO	HYDRO	TOTAL														
B9 D 801.2 148.5 SAN JOAQUIN RIVER AT ANTIOCH SHIP CHANNEL (Continued)																						
06-10-68 1245	0.0	0.0	0.55	0.0	0.55	0.01		0.01												5001	5006	
06-17-68 1130	0.4	0.0	0.50	0.10	1.00	0.01		0.03												5001	5006	
07-17-68 1200	0.5	<0.1	0.65	<0.1	1.15	0.1		0.22												5001	5006	
08-14-68 1030	0.2	<0.1	0.15	<0.1	0.35	0.10		0.10												5001	5006	
09-26-68 1000	0.3	<0.1	0.5	<0.1	0.80	0.12		0.17												5001	5006	
B9 D 801.4 143.5 BIG BREAK AT DUTCH SLOUGH MOUTH																						
03-05-68 1315	0.65	0.0	1.05	0.15	1.85	0.05		0.18												5001	5006	
B9 D 801.5 145.0 SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (COUNTY LINE)																						
02-08-68 1022	3.7	0.30	0.25	0.13	4.38	0.45		0.80												5001	5006	
B9 D 801.6 145.2 SAN JOAQUIN RIVER AT ANTIOCH BRIDGE (LIGHT 12)																						
01-26-68 1230	0.50	<0.05	0.35	0.06	0.91	0.00		0.74												5001	5006	
02-08-68 1012	2.7	0.30	1.50	0.27	4.77	0.50		0.83												5001	5006	
02-27-68 1435	0.6	<0.1	0.37	0.22	1.19	0.10		0.12												5001	5006	
03-28-68 1225	0.50	<0.10	0.38	0.09	0.97	0.05		0.12												5001	5006	
03-28-68 1830	0.50	<0.10	0.50	0.11	1.11	0.08		0.19												5001	5006	
03-29-68 0030	0.50	<0.10	0.30	0.02	0.82	0.08		0.13												5001	5006	
03-29-68 0630	0.50	<0.10	0.28	0.08	0.86	0.05		0.12												5001	5006	
04-23-68 1330	0.3	<0.1	0.65	0.0	0.95	0.05		0.05												5001	5006	
04-23-68 1845	0.3	<0.1	0.78	0.0	1.08															5001	5006	
04-24-68 0110	0.4	<0.1	1.10	0.0	1.50	0.10		0.10												5001	5006	
04-24-68 0625	<0.4	<0.1	0.75	<0.05	0.75	0.08		0.12												5001	5006	
05-21-68 1245	<0.5	<0.5	1.55	<0.05	1.55	0.10		0.10												5001	5006	
05-21-68 1815	<0.5	<0.5	1.60	0.00	1.60	0.10		0.14												5001	5006	
05-22-68 0030	<0.5	<0.5	1.40	<0.5	1.40	0.08		0.12												5001	5006	
05-22-68 0615	<0.5	<0.5	1.72	0.0	1.72	0.08		0.10												5001	5006	
06-17-68 1155	0.3	0.0	0.52	0.15	0.97	0.01		0.05												5001	5006	
07-17-68 1220	0.4	<0.1	0.55	<0.1	0.95	0.1		0.13												5001	5006	
08-14-68 1050	0.2	<0.1	<0.1	<0.1	0.20	0.10		0.11												5001	5006	
09-26-68 1020	0.4	<0.1	0.6	0.1	1.10	0.12		0.14												5001	5006	
B9 D 801.7 144.3 SAN JOAQUIN RIVER AT LIGHT 17 NEAR CURTIS LANDING																						
06-10-68 1315	0.0	0.0	0.75	0.0	0.75	0.01		0.02												5001	5006	
B9 D 801.9 151.4 NEW YORK SLOUGH NEAR PITTSBURG POINT																						
09-26-68 0940	0.3	<0.1	0.8	<0.1	1.10	0.13		0.16												5001	5006	
B9 D 802.1 142.5 SAN JOAQUIN RIVER AT LIGHT 19																						
06-10-68 1825	0.0	0.0	0.62	0.0	0.62	0.04		0.05												5001	5006	



TABLE D-8  
NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS												SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			CODE VALUE UR			CODE VALUE UR			CODE VALUE UR							
	NO <sub>3</sub>	NO <sub>2</sub>	ORG	NH <sub>4</sub>	TOTAL	ORTHO	HYDRO	TOTAL														
B9 D 802.6 136.8 FRANKS TRACT NEAR RUSSOS LANDING																						
04-23-68 1455	0.3	<0.1	1.26	<0.05	1.56	0.10												5001	5006			
04-23-68 1955	0.3	<0.1	0.55	0.08	0.93	0.08												5001	5006			
04-24-68 0145	0.3	<0.1	0.93	0.0	1.23	0.08												5001	5006			
04-24-68 0655	0.4	<0.1	0.58	<0.05	0.98	0.08												5001	5006			
05-21-68 1330	<0.5	<0.5	1.32	0.0	1.32	0.06												5001	5006			
05-21-68 1905	<0.5	<0.5	0.60	0.0	0.60	0.11												5001	5006			
05-22-68 0130	<0.5	<0.5	1.25	0.0	1.25	0.10												5001	5006			
05-22-68 0215	<0.5	<0.5	0.52	0.0	0.52	0.10												5001	5006			
07-18-68 1615	0.4	<0.1	0.48	<0.1	0.88	<0.1												5001	5006			
07-23-68 1340	0.5	<0.1	0.5	<0.1	1.00	0.12												5001	5006			
07-23-68 1850	0.6	<0.1	0.5	0.2	1.30	0.12												5001	5006			
07-24-68 0115	0.7	<0.1	0.4	<0.1	1.1	0.12												5001	5006			
07-24-68 0715	0.6	<0.1	0.4	0.1	1.1	<0.1												5001	5006			
08-14-68 1235	0.3	<0.1	<0.1	<0.1	0.3	0.10												5001	5006			
09-26-68 1210	0.4	<0.1	0.4	<0.1	0.8	0.13												5001	5006			
B9 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT																						
02-08-68 1043	3.4	0.30	0.65	0.25	4.60	0.72												5001	5006			
02-08-68 1050	2.7	0.30	0.20	0.16	3.36	0.54												5001	5006			
02-27-68 1450	0.6	<0.1	0.35	0.13	1.08	0.09												5001	5006			
03-28-68 1250	0.30	<0.10	0.50	0.08	0.88	0.05												5001	5006			
03-28-68 1920	0.50	<0.10	0.40	0.06	0.96	<0.05												5001	5006			
03-29-68 0050	0.20	<0.10	0.64	0.04	0.88	<0.05												5001	5006			
03-29-68 0705	0.50	<0.10	0.44	0.10	1.04	0.05												5001	5006			
04-23-68 1350	0.3	<0.1	0.78	0.0	1.08	0.05												5001	5006			
04-23-68 1905	0.3	<0.1	0.65	0.0	0.95	0.05												5001	5006			
04-24-68 0130	0.3	<0.1	0.82	0.0	1.12	0.12												5001	5006			
04-24-68 0645	0.4	<0.1	0.78	0.0	1.18	0.10												5001	5006			
05-21-68 1310	<0.5	<0.5	0.75	0.0	0.75	0.08												5001	5006			
05-21-68 1830	<0.5	<0.5	0.60	0.0	0.60	0.10												5001	5006			
05-22-68 0100	<0.5	<0.5	0.75	0.22	0.97	0.08												5001	5006			
05-22-68 0645	<0.5	<0.5	0.62	0.0	0.62	0.12												5001	5006			
06-10-68 1345	0.0	0.0	1.25	0.0	1.25	<0.01	<0.01											5001	5006			
06-10-68 1900	0.0	0.0	0.60	0.0	0.60	0.0	0.0											5001	5006			
06-11-68 0615	0.0	0.0	0.35	0.0	0.35	0.01	0.01											5001	5006			
06-17-68 1220	0.2	0.0	0.92	0.10	1.22	0.04	0.05											5001	5006			

TABLE D-8  
NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS												SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
	NO <sub>3</sub>	NO <sub>2</sub>	ORG	NH <sub>4</sub>	TOTAL	ORTHO	HYDRO	TOTAL														
B9 D 803.1 141.3 SAN JOAQUIN RIVER AT JERSEY POINT (Continued)																						
07-17-68 1245	0.4	<0.1	0.45	<0.1	0.85	<0.1		0.22												5001	5006	
08-14-68 1110	0.3	<0.1	<0.1	<0.1	0.3	0.06		0.8												5001	5006	
09-26-68 1040	0.4	<0.1	0.6	<0.1	1.0	0.13		0.13												5001	5006	
B9 D 803.7 136.1 FALSE RIVER AT WEBB PUMP																						
02-08-68 1213	3.2	0.30	0.92	0.13	4.55	0.88		1.10												5001	5006	
02-27-68 1540	0.9	<0.1	0.25	0.12	1.27	0.11		0.46												5001	5006	
05-20-68 1415	<0.5	<0.5	1.63	0.11	1.74	0.10		0.17												5001	5006	
06-17-68 1400	0.4	0.0	0.60	0.10	1.10	0.02		0.05												5001	5006	
07-17-68 1355	0.5	<0.1	0.50	<0.1	1.0	0.10		0.22												5001	5006	
08-14-68 1215	0.3	<0.1	<0.1	<0.1	0.3	0.10		0.10												5001	5006	
09-26-68 1150	0.4	<0.1	0.5	0.1	1.0	0.13		0.16												5001	5006	
B9 D 804.3 140.6 SAN JOAQUIN RIVER ABOVE LIGHT 26																						
06-10-68 1920	0.0	0.0	0.75	0.0	0.75	0.02		0.03												5001	5006	
B9 D 804.4 134.2 OLD RIVER AT MOUTH																						
02-08-68 1159	1.2	0.30	0.85	0.05	2.40	1.00		1.52												5001	5006	
02-27-68 1525	0.6	<0.1	0.35	0.17	1.12	0.11		0.21												5001	5006	
05-20-68 1400	<0.5	<0.5	0.75	0.0	0.75	0.05		0.18												5001	5006	
06-11-68 0945	0.3	0.0	0.62	0.15	1.07	0.01		0.02												5001	5006	
06-17-68 1335	0.2	0.0	0.42	0.10	0.72	0.02		0.07												5001	5006	
07-17-68 1340	0.4	<0.1	0.45	<0.1	0.85	<0.1		0.25												5001	5006	
08-14-68 1155	0.3	<0.1	<0.1	<0.1	0.3	0.06		0.06												5001	5006	
09-26-68 1135	0.4	<0.1	0.4	<0.1	0.8	0.10		0.11												5001	5006	
B9 D 804.6 140.7 SAN JOAQUIN RIVER AT BRADFORD ISLAND																						
06-11-68 0915	0.0	0.0	0.60	0.0	0.60	<0.01		0.01												5001	5006	
B9 D 804.7 134.1 SAN JOAQUIN RIVER AT OLD RIVER																						
02-08-68 1149	5.2	0.30	0.48	0.18	6.16	0.92		1.28												5001	5006	
B9 D 805.1 144.3 SACRAMENTO RIVER AT EMMATON																						
01-11-68 1159	0.05	0	0.49	0.09	0.63	0.4		0.4												5001	5006	
02-26-68 1355	0.4	<0.1	0.57	0.52	1.49	0.11		0.18												5001	5006	
03-28-68 1255	0.40	<0.10	0.27	0.10	0.77	0.10		0.17												5001	5006	
03-28-68 1910	0.40	<0.10	0.33	0.10	0.83	0.05		0.13												5001	5006	
03-29-68 0100	0.40	<0.10	0.27	0.10	0.77	0.05		0.18												5001	5006	
03-29-68 0645	0.50	<0.10	0.46	0.16	1.12	0.05		0.12												5001	5006	
04-19-68 0830	0.5	<0.1	1.46	0.0	1.96	0.17		0.17												5001	5006	
05-21-68 1100	0.7	0.0	1.32	0.0	2.02	0.14		0.17												5001	5006	



TABLE D-8  
NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS								SAMP	LAB				
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE			UR	CODE	VALUE	UR
	NO <sub>3</sub>	NO <sub>2</sub>	ORG	NH <sub>4</sub>	TOTAL	ORTHO	HYDRO	TOTAL														
B9 D 805.1	144.3	SACRAMENTO RIVER AT EMMATON (Continued)																				
06-18-68 1345	0.4	0.0	0.60	0.0	1.00	<0.01		0.04												5001	5006	
07-18-68 1325	0.3	<0.1	0.5	<0.1	0.8	<0.1		0.1												5001	5006	
08-15-68 1135	0.3	<0.1	<0.1	<0.1	0.3	0.10		0.10												5001	5006	
09-27-68 1105	0.3	<0.1	0.4	<0.1	0.7	0.10		0.13												5001	5006	
B9 D 805.2	145.0	SACRAMENTO RIVER AT TOLANDS LANDING																				
02-26-68 1340	0.4	<0.1	0.37	0.48	1.25	0.12		0.22												5001	5006	
B9 D 805.7	140.4	SAN JOAQUIN RIVER ABOVE LIGHT 28																				
06-11-68 0500	0.3	0.0	0.62	0.10	1.02	0.0		0.01												5001	5006	
B9 D 805.8	137.7	SAN JOAQUIN RIVER AT LIGHT 34																				
06-11-68 0525	0.0	0.0	0.42	0.0	0.42	0.05		0.06												5001	5006	
B9 D 805.8	140.1	SAN JOAQUIN RIVER AT TWITCHELL ISLAND																				
02-08-68 1102	3.7	0.30	0.68	0.09	4.77	0.44		0.73												5001	5006	
02-08-68 1108	2.2	0.30	0.70	0.19	3.39	0.73		0.80												5001	5006	
02-27-68 1505	0.5	<0.1	0.62	0.13	1.25	0.11		0.21												5001	5006	
04-23-68 1410	0.3	<0.1	0.65	0.0	0.95															5001	5006	
04-23-68 1920	0.4	<0.1	0.53	0.05	0.98	0.03		0.12												5001	5006	
04-24-68 0200	0.4	<0.1	0.82	0.10	1.32	0.22		0.22												5001	5006	
04-24-68 0700	0.3	<0.1	1.02	<0.05	1.32	0.08		0.19												5001	5006	
05-21-68 1320	<0.5	<0.5	0.85	0.0	0.85	0.15		0.16												5001	5006	
05-21-68 1850	<0.5	<0.5	0.61	0.0	0.61	0.10		0.17												5001	5006	
05-22-68 0130	<0.5	<0.5	0.73	0.0	0.73	0.10		0.15												5001	5006	
05-22-68 0700	<0.5	<0.5	0.64	0.0	0.64	0.08		0.14												5001	5006	
06-17-68 1300	0.2	0.0	0.52	0.10	0.82	0.02		0.09												5001	5006	
07-17-68 1300	0.4	<0.1	0.3	<0.1	0.7	<0.1		0.25												5001	5006	
08-14-68 1125	0.4	<0.1	<0.1	<0.4	0.4	0.06		0.14												5001	5006	
09-26-68 1105	0.4	<0.1	0.4	0.1	0.9	0.10		0.12												5001	5006	
B9 D 806.4	142.0	THREEMILE SLOUGH AT SACRAMENTO RIVER																				
01-11-68 1225	0.02	0	0.26	0.12	0.40	0.4		0.4												5001	5006	
02-26-68 1415	0.4	<0.1	0.36	0.17	0.93	0.14		0.18												5001	5006	
04-19-68 0905	0.4	<0.1	1.10	0.0	1.50	0.10		0.10												5001	5006	
05-21-68 1145	0.4	0.0	2.20	0.0	2.60	0.14		0.23												5001	5006	
06-18-68 1400	0.3	0.0	0.82	<0.05	1.12	0.01		0.02												5001	5006	
07-18-68 1340	0.3	<0.1	0.4	<0.1	0.7	0.1		0.16												5001	5006	
08-15-68 1150	0.4	<0.1	<0.1	<0.1	0.4	0.26		0.26												5001	5006	
09-27-68 1125	0.4	<0.1	0.5	<0.1	0.9	0.12		0.13												5001	5006	

TABLE D-8  
NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS												SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
	NO <sub>3</sub>	NO <sub>2</sub>	ORG	NH <sub>4</sub>	TOTAL	ORTHO	HYDRO	TOTAL														
B9 D 809.4 141.0 SACRAMENTO RIVER AT RIO VISTA BRIDGE																						
01-11-68 1244	<0.02	0	0.24	0.07	0.31	0.7		1.6												5001	5006	
02-26-68 1440	0.4	<0.1	0.36	0.14	0.90	0.21		0.67												5001	5006	
03-28-68 1330	0.40	<0.10	0.42	0.12	0.94	0.10		0.13												5001	5006	
03-28-68 1940	<0.10	<0.10	0.09	0.42	0.51	0.10		0.18												5001	5006	
03-29-68 0145	0.40	<0.10	0.32	0.08	0.80	0.10		0.24												5001	5006	
03-29-68 0720	0.60	<0.10	0.29	0.04	0.93	0.08		0.14												5001	5006	
04-19-68 0930	0.4	<0.1	1.02	0.10	1.52	0.12		0.12												5001	5006	
05-21-68 1215	1.3	0.0	1.63	0.0	2.93	0.17		0.20												5001	5006	
06-18-68 1430	0.3	0.0	0.52	0.05	0.87	<0.01		0.02												5001	5006	
07-18-68 1410	0.3	<0.1	0.45	<0.1	0.75	<0.1		0.1												5001	5006	
08-15-68 1210	0.4	<0.1	<0.1	<0.1	0.4	0.10		0.11												5001	5006	
09-27-68 1145	0.4	<0.1	0.4	0.1	0.9	0.12		0.12												5001	5006	
B9 D 810.6 139.6 SACRAMENTO RIVER AT STEAMBOAT SLOUGH																						
01-11-68 1307	0.16	0	0.19	0.11	0.46	0.4		0.4												500	5006	
04-19-68 1010	0.4	<0.1	0.90	0.08	1.38	0.12		0.12												5001	5006	
05-21-68 1245	0.3	0.0	1.63	0.0	1.93	0.14		0.18												5001	5006	
06-18-68 1445	0.3	0.0	0.40	0.0	0.7	0.01		0.02												5001	5006	
07-18-68 1430	0.3	<0.1	0.38	<0.1	0.68	<0.1		0.1												5001	5006	
08-15-68 1230	0.3	<0.1	<0.1	<0.1	0.3	0.10		0.11												5001	5006	
09-27-68 1205	0.4	<0.1	0.4	<0.1	0.8	0.13		0.13												5001	5006	
B9 D 811.0 139.3 STEAMBOAT SLOUGH ABOVE CACHE SLOUGH																						
02-26-68 1500	0.4	<0.1	0.78	0.14	1.32	0.07		0.20												5001	5006	
04-19-68 1015	0.4	<0.1	0.78	0.13	1.31	0.19		0.19												5001	5006	
B9 D 813.4 140.4 CACHE SLOUGH BELOW MINER SLOUGH																						
06-10-68 1135								0.18	KN	000.4	M									5050	5050	
B9 D 814.3 140.3 SACRAMENTO SHIP CHANNEL ABOVE CACHE SLOUGH (LIGHT 67-68)																						
06-10-68 1229								0.19	KN	000.4	M									5050	5050	
B9 D 814.5 141.2 CACHE SLOUGH ABOVE LIBERTY ISLAND FERRY																						
06-10-68 1110								0.20	KN	000.5	M									5050	5050	
B9 D 814.8 142.4 LINDSEY SLOUGH NEAR RIO VISTA																						
05-01-68 0945								0.15												5050	5050	
06-10-68 1320								0.22	KN	000.8	M									5050	5050	
B9 D 815.4 140.2 PROSPECT SLOUGH NEAR RIO VISTA																						
06-10-68 1120								0.22	KN	000.7	M									5050	5050	





TABLE D-8  
NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS												SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
	NO <sub>3</sub>	NO <sub>2</sub>	ORG	NH <sub>4</sub>	TOTAL	ORTHO	HYDRO	TOTAL														
G7 L 857.0 000.0 LAKE TAHOE NEAR BLJOU (STATION JI-1)																						
11-13-67 1150	.0041	.0008		0.015					KN	0.145	M	RP	0.002	MY						5050	5060	
03-07-68 1153	.0012	.0007		0.010					KN	0.096	M	RP	0.002	M						5050	5060	
G7 L 858.3 004.3 LAKE TAHOE AT EMERALD BAY (STATION JI-2)																						
11-13-67	.0022	.0006		.0156					KN	0.110	M	RP	0.002	MY						5050	5060	
03-06-68 1330	.0015	.0006		0.016					KN	0.050	M	RP	0.002	M						5050	5060	
G7 L 900.0 000.0 LAKE TAHOE ON STATE LINE, SOUTH CENTER (STATION C-1)																						
07-17-68 1250	.0016	.0006						<0.005	KN	0.060	M	RP	.0025	M						5050	5060	
09-12-68 0810	.0015	.0006		0.004				<0.005	KN	0.082	M	RP	.0025	M						5050	5060	
G7 L 900.5 957.0 LAKE TAHOE AT ZEPHYR COVE (STATION L-8)																						
07-17-68 0820	.0014	.0024		.0080				0.010	KN	0.072	M	RP	.0095	M						5050	5060	
09-12-68 0830	.0032	.0006		0.014				<0.005	KN	0.194	M	RP	.0025	M						5050	5060	
G7 L 900.8 006.6 LAKE TAHOE AT RUBICON BAY (STATION L-2)																						
07-17-68 1230	.0016	.0012						0.010	KN	0.104	M	RP	0.006	M						5050	5060	
09-12-68 1345	.0032	.0006		0.011				0.010	KN	0.103	M	RP	.0025	M						5050	5060	
G7 L 904.5 008.3 LAKE TAHOE NEAR CHAMBERS LODGE (STATION L-9)																						
07-17-68 1115	.0016	.0012		.0036				0.005	KN	0.204	M	RP	.0025	M						5050	5060	
07-12-68	.0022	.0006		0.012				0.005	KN	0.176	M	RP	.0060	M						5050	5060	
G7 L 905.0 000.5 LAKE TAHOE NEAR CENTER (STATION JI-3A)																						
11-13-67 0855	.0023	.0008		.0194					KN	0.115	M	RP	0.002	M						5050	5060	
03-06-68	.0015	.0003		0.006					KN	0.054	M	RP	0.003	M						5050	5060	
G7 L 905.4 956.4 LAKE TAHOE AT GLENBROOK (STATION L-3)																						
07-17-68 0840	.0010	.0012		0.0106				<0.005	KN	0.149	M	RP	.0045	M						5050	5060	
09-12-68 0925	.0030	.0008		0.012				0.010	KN	0.154	M	RP	.0025	M						5050	5060	
G7 L 908.7 000.3 LAKE TAHOE ON STATE LINE, NORTH CENTER (STATION C-2)																						
07-17-68 1045	.0006	.0008		.0036				0.010	KN	0.056	M	RP	.0060	M						5050	5060	
09-12-68 1300	.0012	.0006		0.006				<0.005	KN	0.100	M	RP	.0025	M						5050	5060	
G7 L 910.0 007.6 LAKE TAHOE NEAR TAHOE CITY (STATION JI-5)																						
11-16-67 1250	.0023	.0012		.0212					KN	0.167	M	RP	0.002	M						5050	5060	
03-05-68 1420	.0025	.0006		0.014					KN	0.058	M	RP	0.002	M						5050	5060	
G7 L 910.5 006.8 LAKE TAHOE NEAR LAKE FOREST (STATION L-5)																						
07-17-68 1025	.0006	.0012		.0056				0.010	KN	0.168	M	RP	.0025	M						5050	5060	
09-12-68 1140	.0020	.0008		0.006				<0.005	KN	0.128	M	RP	.0025	M						5050	5060	
G7 L 914.2 003.2 LAKE TAHOE AT TAHOE VISTA (STATION L-7)																						
07-17-68 0950	.0010	.0012		.0030				0.005	KN	0.085	M	RP	.0025	M						5050	5060	
09-12-68 1100	.0021	.0006		0.009				<0.005	KN	0.111	M	RP	.0025	M						5050	5060	



TABLE D-8  
NUTRIENTS IN SURFACE WATER

DATE TIME	NUTRIENTS (Mg/L)								MISCELLANEOUS NUTRIENTS												SAMP	LAB
	NITROGEN SERIES AS N					PHOSPHATE SERIES AS P			CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR	CODE	VALUE	UR		
	NO <sub>3</sub>	NO <sub>2</sub>	ORG	NH <sub>4</sub>	TOTAL	ORTHO	HYDRO	TOTAL														
G7 L 914.2-956.8 LAKE TAHOE AT INCLINE GUARD STATION (STATION L-4)																						
07-17-68 0925	.0009	.0015		.0080				<0.005	KN	0.126	M	RP	.0045	M							5050	5060
09-12-68 1025	.0029	.0006		0.012				<0.005	KN	0.182	M	RP	0.006	M							5050	5060
G7 L 914.5 956.7 LAKE TAHOE NEAR INCLINE (STATION JI-4)																						
11-16-67	.0034	.0008		.0206					KN	0.185	M	RP	0.002	M							5050	5060
03-05-68 0910	.0012	.0009		0.007					KN	0.113	M	RP	0.003	M							5050	5060
G7 3253.01 INCLINE CREEK AT INCLINE VILLAGE																						
07-17-68 1800	.0014	.0050		.0056				0.018	KN	0.148	M	RP	0.018	M							5050	5060
09-12-68 1000	.0104	.0033		0.010				0.024	KN	0.232	M	RP	.0175	M							5050	5060
G7 3300.01 GENERAL CREEK NEAR MEEKS BAY																						
07-17-68 1645	.0052	.0018		.0106				0.024	KN	0.115	M	RP	0.015	M							5050	5060
09-12-68 0900	.0042	.0010		0.021				0.030	KN	0.125	M	RP	.0125	M							5050	5060
G7 3571.01 TAYLOR CREEK NEAR CAMP RICHARDSON																						
09-12-68 0820	.0134	.0006		0.006				<0.005	KN	0.208	M	RP	.0025	M							5050	5060
G7 3705.01 UPPER TRUCKEE RIVER AT SOUTH TAHOE																						
07-17-68 1545	.0040	.0024		.0056				0.018	KN	0.240	M	RP	.0095	M							5050	5060
09-12-68 0700	.0149	.0021		0.018				0.017	KN	0.130	M	RP	.0175	M							5050	5060















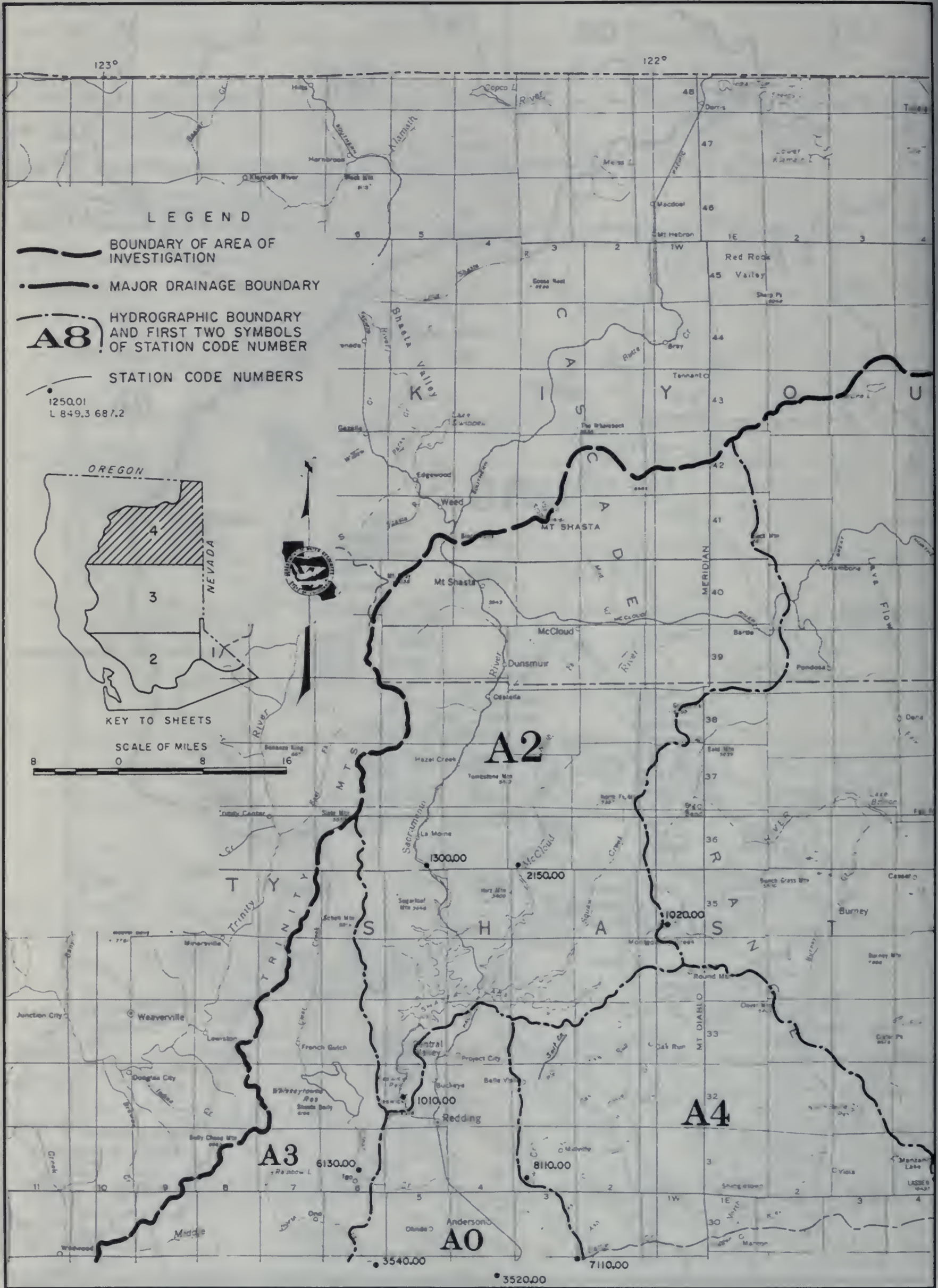
SURFACE WATER QUALITY SAMPLING STATIONS





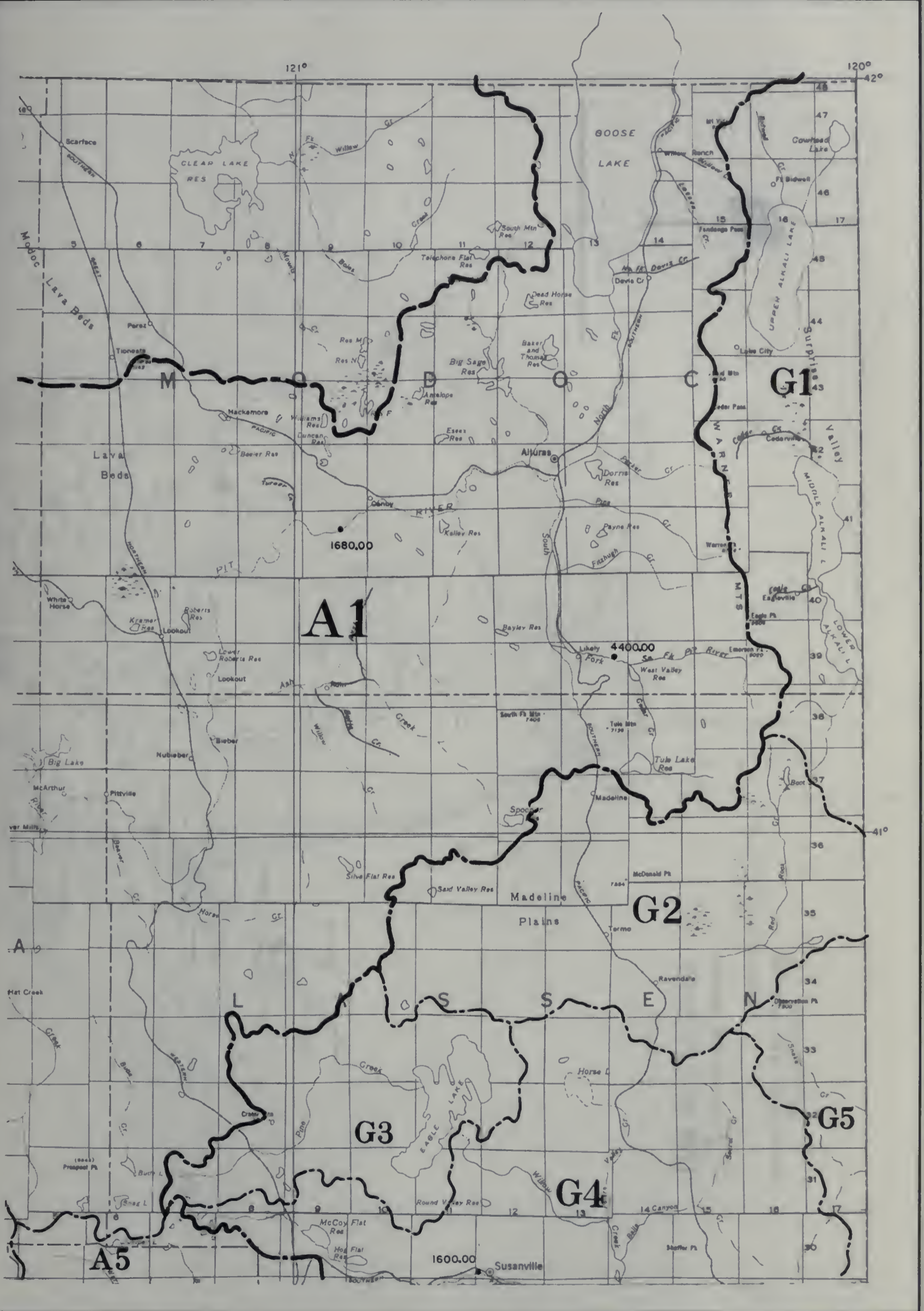
SURFACE WATER QUALITY SAMPLING STATIONS





SURFACE WATER QUALITY SAMPLING STATIONS

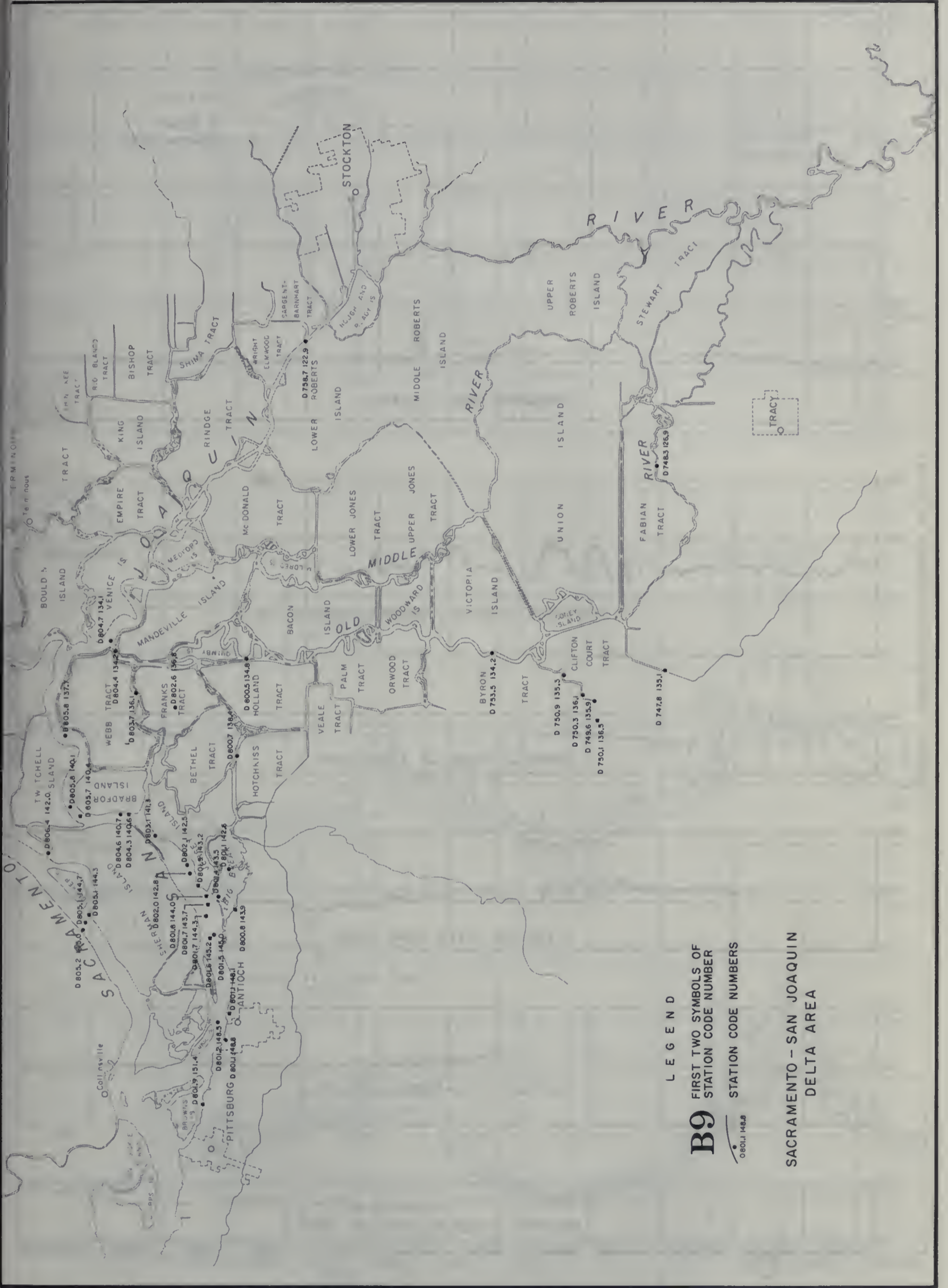




SURFACE WATER QUALITY SAMPLING STATIONS

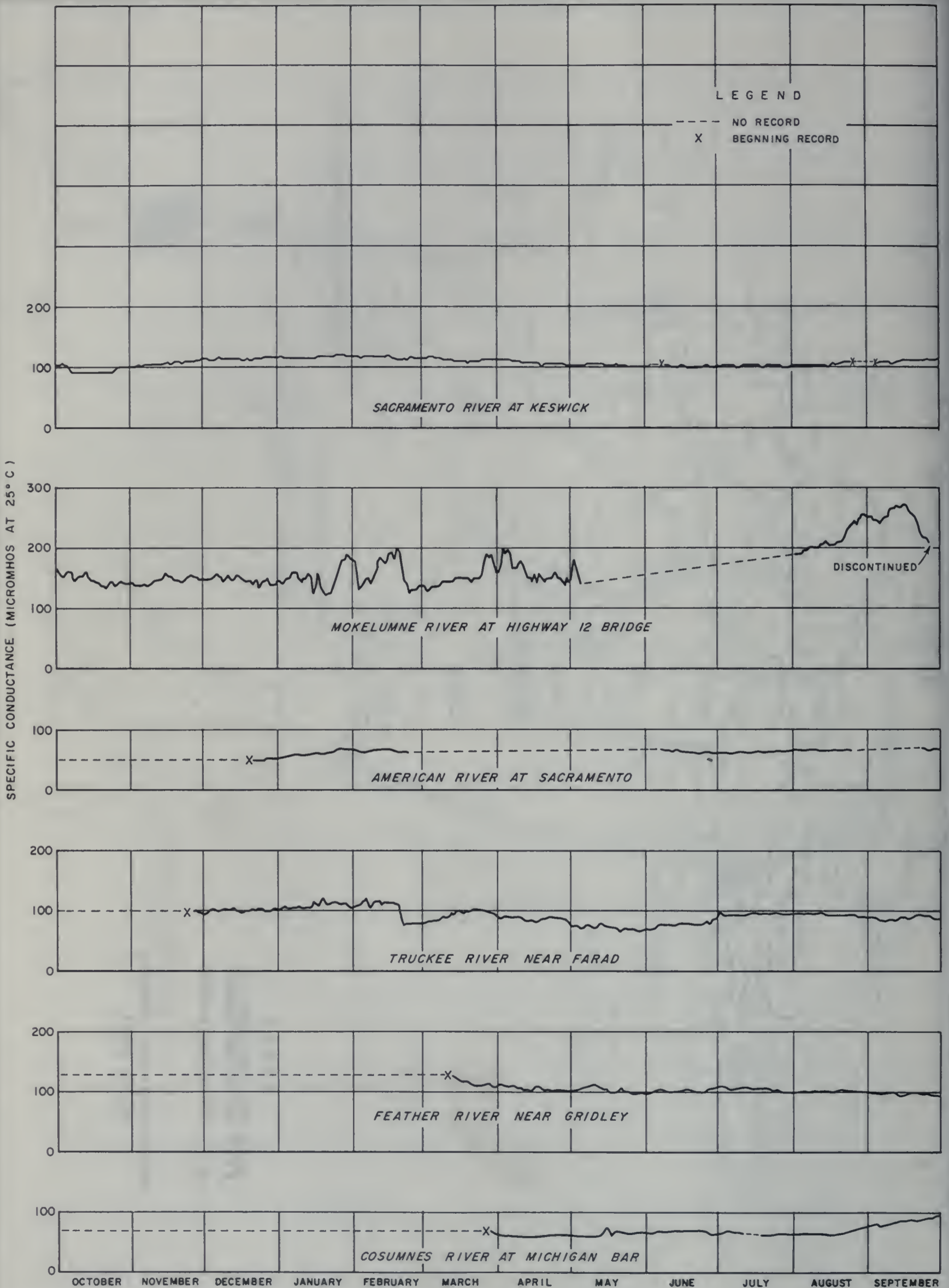




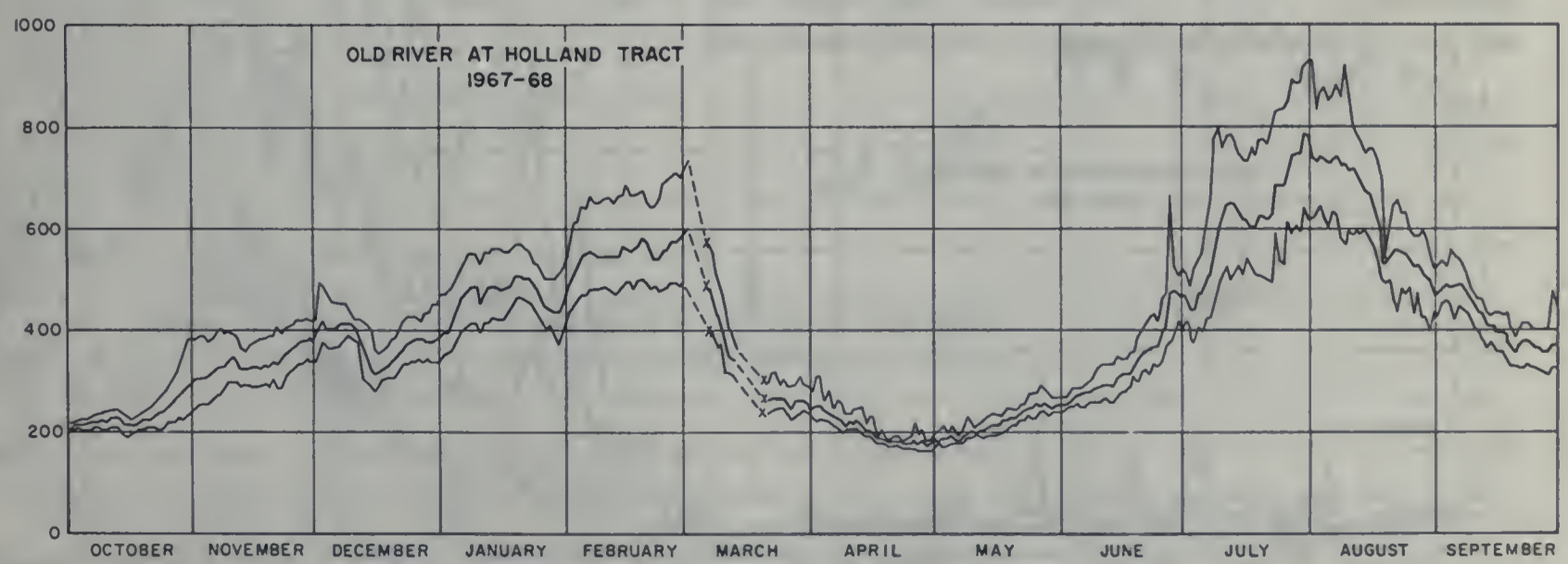
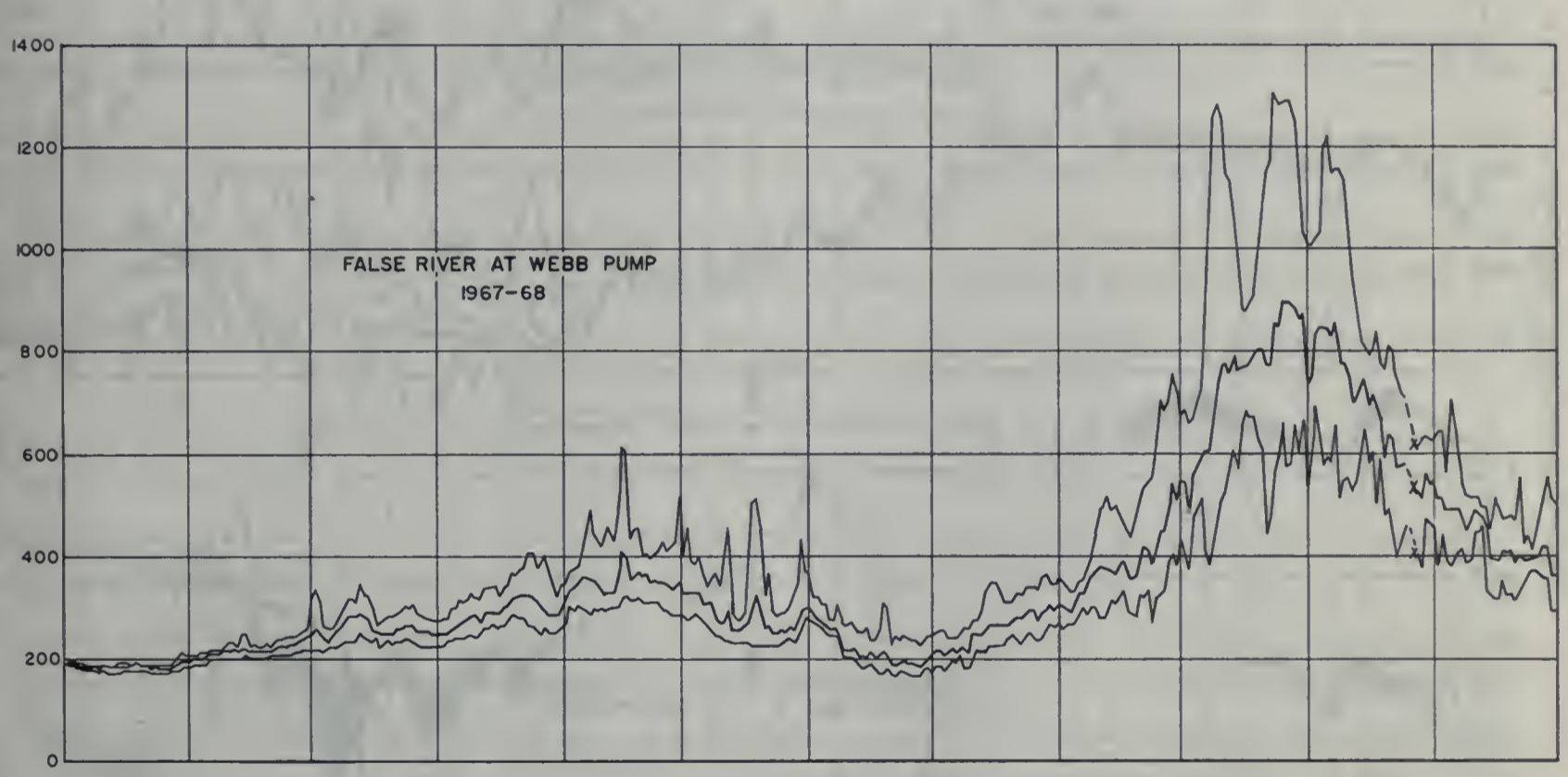
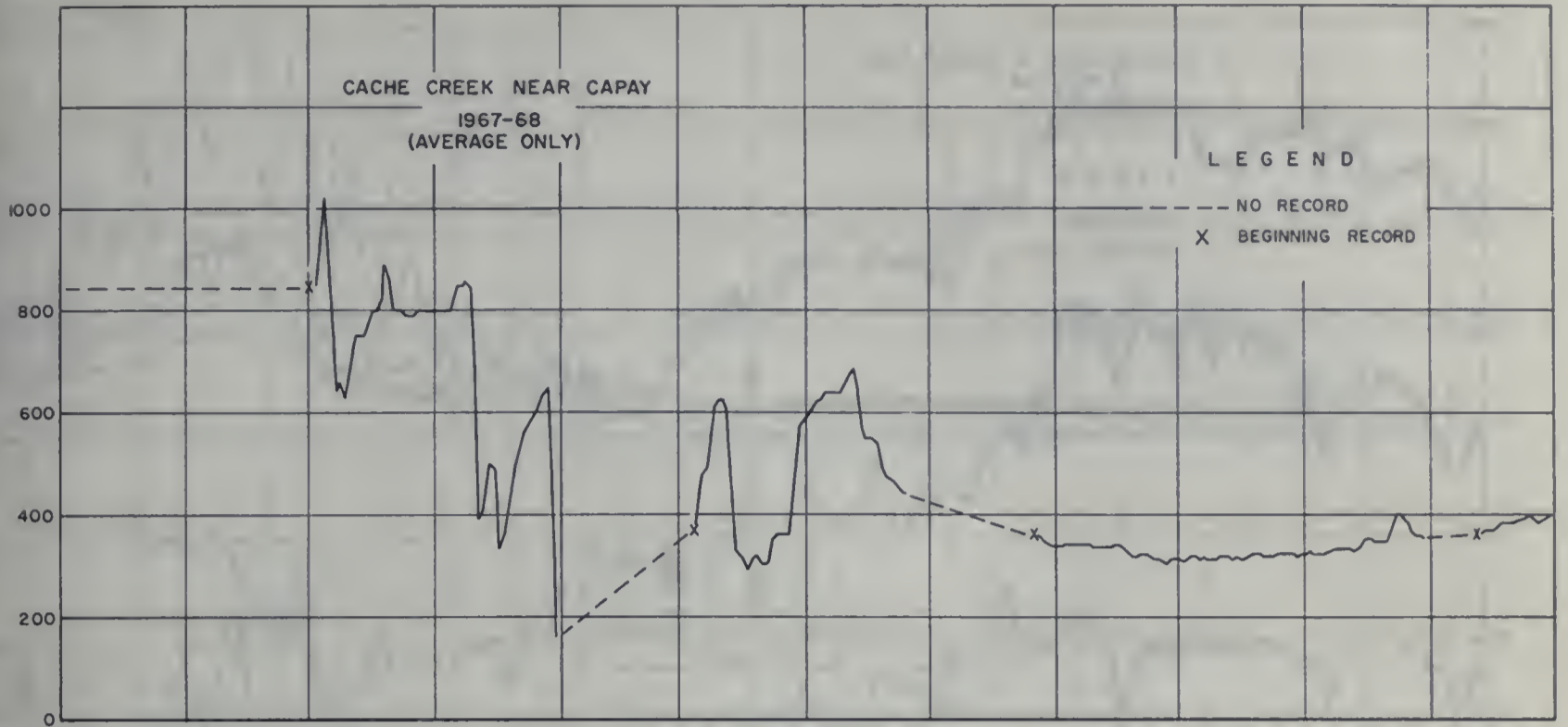


SURFACE WATER QUALITY SAMPLING STATIONS



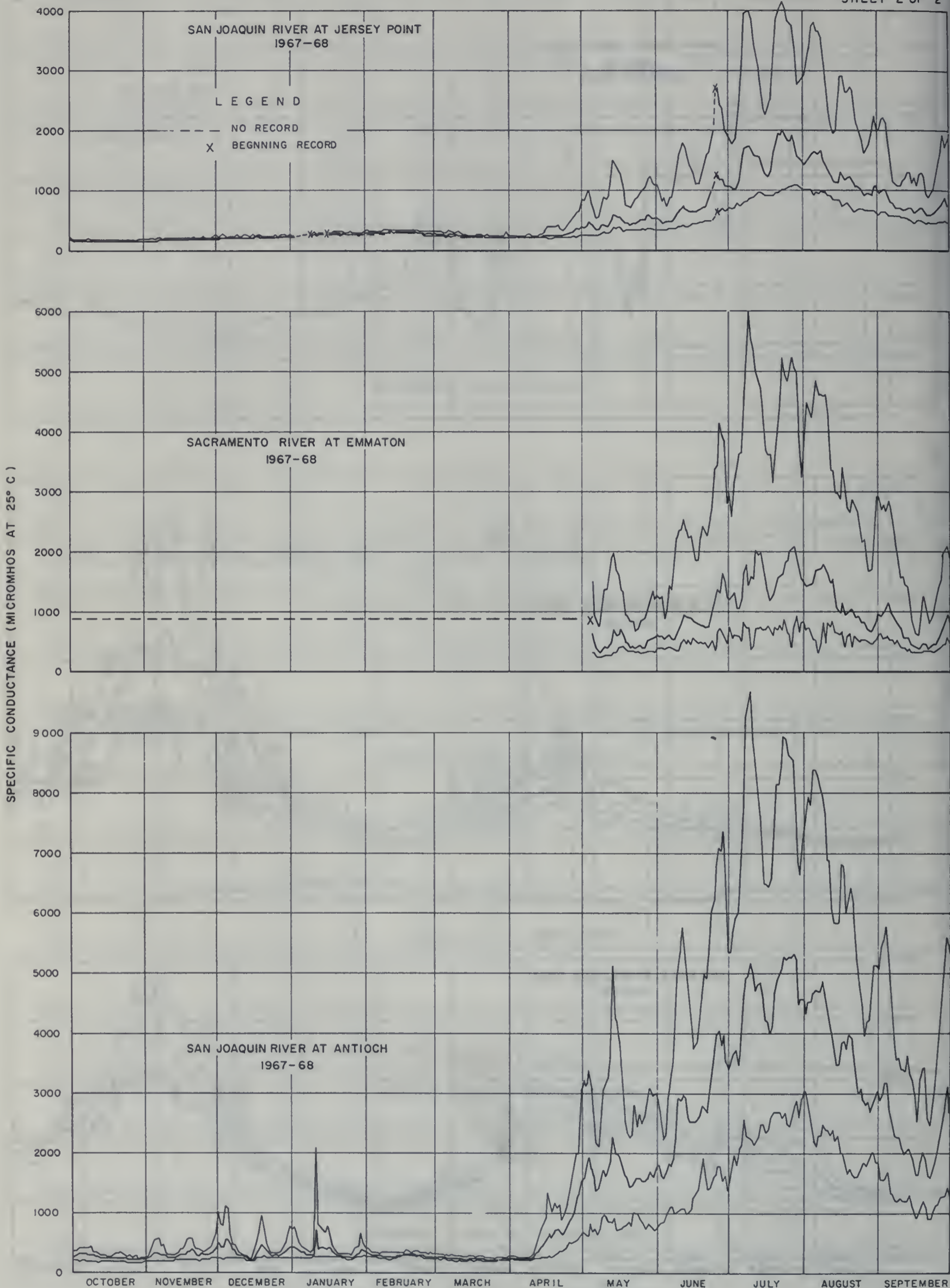


AVERAGE DAILY SPECIFIC CONDUCTANCE  
 OCTOBER 1967 THROUGH SEPTEMBER 1968



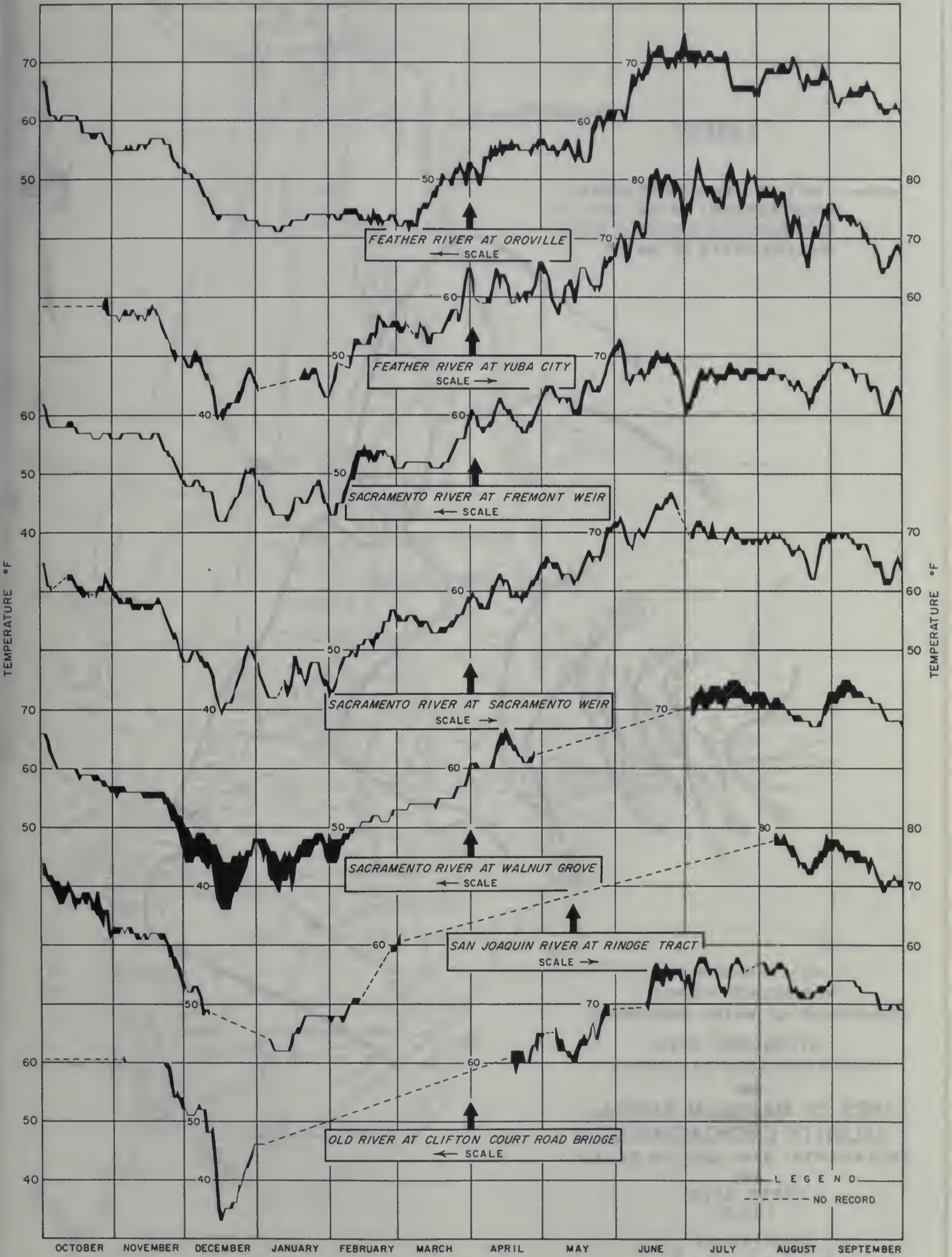
MAXIMUM, MINIMUM, AND AVERAGE DAILY SPECIFIC CONDUCTANCE  
OCTOBER 1967 THROUGH SEPTEMBER 1968





MAXIMUM, MINIMUM, AND AVERAGE DAILY SPECIFIC CONDUCTANCE  
OCTOBER 1967 THROUGH SEPTEMBER 1968

FIGURE D-5



DAILY WATER TEMPERATURE RANGES  
 OCTOBER 1967 THROUGH SEPTEMBER 1968



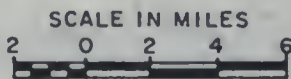
**LEGEND**

— LIMIT OF MAXIMUM SEASONAL ENCROACHMENT OF SALINITY OF 1000 PARTS OF CHLORIDE PER MILLION PARTS OF WATER



STATE OF CALIFORNIA  
THE RESOURCES AGENCY  
DEPARTMENT OF WATER RESOURCES  
HYDROLOGIC DATA  
IN NORTHEASTERN CALIFORNIA

**LINES OF MAXIMUM ANNUAL SALINITY ENCROACHMENT  
SACRAMENTO - SAN JOAQUIN DELTA  
AND  
UPPER BAYS  
1968**



Appendix E

GROUND WATER QUALITY





## INTRODUCTION

This appendix presents ground water quality data collected during the period from October 1, 1967, through September 30, 1968. The data were collected from a number of major ground water sources in Northeastern California in cooperation with other state, local, and federal agencies. During the 1968 water year, 553 wells were sampled in 41 ground water basins and subbasins or subareas.

At the time of field sampling, pH and temperature measurements are normally made. Comments on current conditions are noted in field books which are available in the files of the Department of Water Resources.

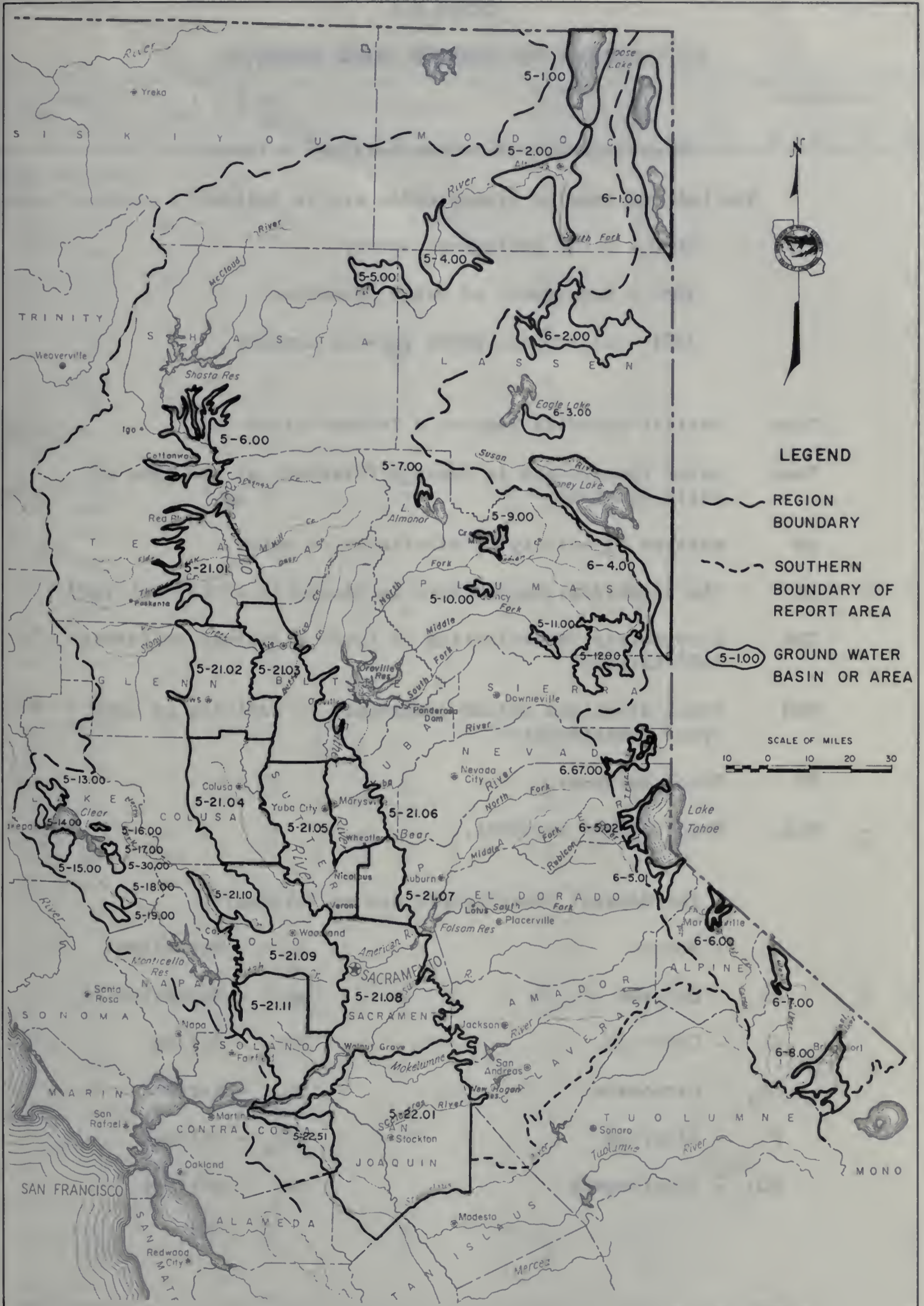
Laboratory analyses of ground waters were performed in accordance with "Standard Methods for the Examination of Water and Waste Water", 12th Edition, American Public Health Association, New York, N. Y.

The Region and Basin and State Well Numbering Systems are described on page 327, Appendix C, "Ground Water Measurements".



INDEX TO MONITORED AREAS  
IN NORTHEASTERN CALIFORNIA

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5- 4.00	Big Valley . . . . .	539
5- 5.00	Fall River Valley . . . . .	540
5- 6.00	Redding Basin . . . . .	541
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GROUND WATER BASINS IN NORTHEASTERN CALIFORNIA



TABLE E-1

MINERAL ANALYSES OF GROUND WATER

An explanation of column headings follows:

The Lab and Sampler agency codes are as follows:

5000 - U. S. Geological Survey

5050 - Department of Water Resources

5701 - California Water Service Company

Time - Pacific Standard Time on a 24-hour clock

Temp. - Water temperature in degrees Farenheit at the time of Field sampling.

pH - Measure of acidity or alkalinity of water.

EC - The electrical conductance in micromhos at 25° Celsius.

TDS - Gravimetric determination of total dissolved solids at 180° Celsius.

SUM - Total dissolved solids determined by addition of analyzed constituents.

TH - Total hardness.

NCH - Noncarbonate hardness.

The Mineral Constituents are as follows:

B - Boron

K - Potassium

Ca - Calcium

Mg - Magnesium

Cl - Chloride

Na - Sodium

CO<sub>3</sub> - Carbonate

NO<sub>3</sub> - Nitrate

F - Fluoride

SiO<sub>2</sub> - Silica

HCO<sub>3</sub> - Bicarbonate

SO<sub>4</sub> - Sulfate

TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in								Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM
CENTRAL VALLEY REGION																
GOOSE LAKE VALLEY 5-01.00																
44N/13E-36A01 M 7-24-68 1440 5050	65	8.3	200													
44N/14E-07K01 M 7-25-68 5050 1100 5050	54	8.3 7.1	476 465			25 1.09 22		0.0	233 3.82 80		10 .28 5				186 0	
45N/13E-12L01 M 7-25-68 5050 1015 5050	67	8.2 7.4	354 335			54 2.35 66		0.0	180 2.95 83		5.1 .14 3				52 0	
45N/14E-32L01 M 8-01-68 5050 2000 5050	59	8.1 7.0	253 255			14 .61 24		0.0	152 2.49 98		2.1 .06 2				99 0	
47N 13E-07Q01 M 7-24-68 1550 5050	63	7.9	220													
47N/14E-02H01 M 7-25-68 5050 0920 5050	68	8.4 8.3	438 420			88 3.83 87		3.0 .10 2	120 1.97 44		38 1.07 24	2.8			7 0	
47N/14E-14B02 M 7-25-68 0945 5050	59	6.8	185													
48N/13E-20G01 M 7-24-68 5050 1610 5050	58	8.5 7.4	579 580	68 3.39 54	25 2.06 33	17 .74 12	4.6 .12 2	8.0 .27 4	327 5.36 86	6.6 .14 2	5.7 .16 3	17 .27 4	0.0	334 312	274 0	
48N/14E-23K01 M 7-25-68 0900 5050	56	6.9	235													
ALTURAS BASIN 5-02.00																
39N/13E-06N01 M 7-24-68 5050 0800 5050	68	7.9 7.5	223 215	10 50 22	3.4 .28 12	32 1.39 62		0.0	119 1.95 87		4.0 .11 4				39 0	
40N/12E-11F01 M 7-24-68 5050 0900 5050	69	8.0 7.9	168 165	8.2 41 24	2.0 .17 10	22 .96 57		0.0	83 1.36 80		3.7 .10 5				29 0	
40N/12E-25J01 M 7-24-68 5050 0845 5050	64	8.2 7.3	526 510	24 1.20 22	10 .82 15	72 3.13 58	10 .26 5	0.0	311 5.10 93	9.4 .20 4	5.2 .15 3	2.0 .03 1	0.0	348 285	102 0	
41N/11E-01F01 M 7-24-68 1035 5050	64	8.2	295													
41N/11E-02J01 M 7-24-68 1045 5050	68	8.0	255													
41N/13E-18P01 M 7-24-68 5050 1200 5050	59	8.3 7.1	924 920	103 5.14 50	46 3.78 37	24 1.04 10	8.7 .22 2	0.0	266 4.36 44	252 5.24 52	13 .37 4	3.0 .05	0.0	663 580	445 227	
42N/12E-11J01 M 7-24-68 1405 5050	64	7.4	395													
42N/13E-31G01 M 7-24-68 1235 5050	61	7.3	600													
42N/13E-32G01 M 7-24-68 1220 5050	54	7.5	370													
BIG VALLEY 5-04.00																
37N/07E-02D01 M 7-23-68 5050 0900 5050	59	8.2 7.4	208 210			22 .96 46		0.0	122 2.00 96		2.6 .07 3				55 0	
37N/07E-13B01 M 7-23-68 0930 5050	61	7.1	240													
38N/07E-02P01 M 7-23-68 1230 5050	66	7.1	555													



TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in				Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH
BIG VALLEY 5-04.00																	
38N/07E-14L01 M 4-02-68 5050 1400 5050		7.8	275	19	10	19	2.7	0.0	134	5.9	14	2.3					
				.95	.82	.83	.07		2.20	.12	.39	.04			216	91	
				36	31	31	3		80	4	14	1			139	0	
38N/07E-23D01 M 7-23-68 0825 5050	58	7.0	280														
38N/07E-28N09 M 7-23-68 5050 0735 5050	57	7.4 7.1	184 200	8.2	8.6	15	4.3	0.0	98	0.5	2.4	8.1			131	56	
				.41	.71	.65	.11		1.61	.01	.07	.13			95	0	
				22	38	35	6		88	1	4	7					
38N/08E-14N02 M 7-23-68 1055 5050	73	8.4	1325														
38N/08E-30R01 M 7-23-68 5050 1000 5050	54	7.8 7.1	860 890	56	46	25	6.2	0.0	138	34	63	202			549	330	
				2.79	3.78	1.09	.16		2.26	.71	1.78	3.25			500	217	
				36	48	14	2		28	9	22	41					
39N/07E-13Q01 M 7-23-68 5050 1315 5050	62	8.1 7.0	209 215	8.7	2.6	31	2.2	0.0	104	9.4	4.8	0.7			202	32	
				.43	.21	1.35	.06		1.71	.20	.14	.01			110	0	
				21	10	66	3		83	10	7						
39N/07E-14R01 M 7-23-68 5050 1300 5050	55	8.1 7.1	2670 2700	207	113	184	1.5	0.0	524	173	293	424			1710	984	
				10.33	9.29	8.00	.04		8.59	3.60	8.26	6.83			1652	555	
				37	34	29			31	13	30	25					
39N/08E-23A02 M 7-23-68 1345 5050	62	7.0	220														
39N/08E-23A80 M 7-23-68 5050 1355 5050	61	8.1 7.1	192	4.9	2.9	30		0.0	94		3.0					24	
				.24	.24	1.31			1.54		.08					0	
				12	12	68			80		4						
39N/08E-26J02 M 7-23-68 5050 1500 5050	58	7.6 7.1	274 285			35		0.0	106		16					50	
						1.52			1.74		.45					0	
						55			63		16						
39N/09E-28F20 M 7-23-68 5050 1530 5050	71	8.1 7.5	183 185	12	4.6	17					2.1					49	
				.60	.38	.74					.06					49	
				32	20	40					3						
FALL RIVER VALLEY 5-05.00																	
37N/05E-09N01 M 7-22-68 5050 1100 5050	56	8.6 7.3	718 555	32	17	104	6.0	19	387	2.3	17	6.0			456	151	
				1.60	1.40	4.52	.15	.63	6.35	.05	.48	.10			393	0	
				21	18	59	2	8	83	1	6	1					
37N/05E-14R01 M 7-22-68 1350 5050	61	8.4	195														
37N/05E-19P02 M 7-22-68 1020 5050	61	7.1	510														
37N/05E-24F01 M 7-22-68 1420 5050	61	8.1	205														
37N/06E-06L01 M 7-22-68 1600 5050	56	7.9	275														
37N/06E-19L01 M 7-22-68 1430 5050	61	7.8	210														
37N/06E-29B01 M 7-22-68 5050 1550 5050	62	8.3 7.6	354 355	31	16	13	4.4	0.0	153	6.6	6.2	39			254	143	
				1.55	1.32	.57	.11		2.51	.14	.17	.63			191	18	
				44	37	16	3		73	4	5	18					
38N/04E-27Q01 M 7-22-68 5050 1150 5050	55	8.1 8.0	179 180			17		0.0	95		5.3					50	
						.74			1.56		.15					0	
						41			87		8						
38N/04E-30H01 M 7-22-68 5050 1220 5050	54	8.4 6.9	242 255	15	14	13	2.8	4.0	128	2.0	4.6	5.0			188	95	
				.75	1.15	.57	.07	.13	2.10	.04	.13	.08			123	0	
				30	45	22	3	5	85	2	5	3					
38N/06E-31D01 M 7-22-68 1630 5050	61	8.1	188														

TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in										Milligrams per Liter				
				Milliequivalents per Liter Percent Reactance Value										Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH	
REDDING BASIN 5-06.00																		
29N/04W-11G04 M	68	7.9	186			16		0.0	107		2.8						65	
6-21-68 5050		7.0	185			.70			1.75		.08						0	
1050 5050						37			94		4							
30N/03W-04M01 M	67	8.3	193			7.1		0.0	108		2.4						79	
6-21-68 5050		7.0	195			.31			1.77		.07						0	
0820 5050						16			91		3							
30N/03W-34D01 M	62	8.1	341			12		0.0	143		4.4	39					147	
6-21-68 5050		6.9	340			.52			2.35		.12	.63					30	
0930 5050						15			68		3	18						
30N/04W-15M03 M	66																	
6-20-68		7.0	275															
1200 5050																		
31N/03W-29P01 M	64																	
6-21-68		7.0	215															
0745 5050																		
31N/04W-16Q01 M	67	8.3	174	10	9.5	10	1.2	0.0	94	0.8	4.0	6.0		0.0		91	64	
6-20-68 5050		7.2	175	.50	.78	.44	.03		1.54	.02	.11	.10				88	0	
1040 5050				29	45	25	2		87	1	6	6						
31N/05W-25K01 M	65	7.5	283			46					30	0.2					41	
6-20-68 5050		7.3	265			2.00					.85						41	
1315 5050						70					30							
32N/03W-20P01 M	59	7.5	176	13	6.0	11	1.3	0.0	64	9.4	13	3.0		0.2		126	57	
3-13-68 5050		6.2	150	.65	.49	.48	.03		1.05	.20	.37	.05				88	5	
1400 5050				39	30	29	2		63	12	22	3						
32N/03W-32J02 M	66																	
6-20-68		7.1	345															
0825 5050																		
32N/03W-35C01 M	69																	
6-20-68		6.9	215															
0900 5050																		
32N/04W-14F02 M	61	7.9	157			16		0.0	56		4.5						37	
6-20-68 5050		6.8	155			.70			.92		.13						0	
0710 5050						44			58		8							
32N/04W-34P01 M	76	8.4	218			17					4.6						76	
6-20-68 5050		6.9	215			.74					.13						76	
1000 5050						33					5							
LAKE ALMANOR VALLEY 5-07.00																		
28N/07E-05L01 M		7.6	86			5.6		0.0	45		1.6						28	
6-20-68 5050		6.2	110			.24			.74		.04						0	
1345 5050						30												
28N/07E-05N01 M		7.6	86			5.6		0.0	47		1.6						31	
6-20-68 5050		6.4	100			.24			.77		.04						0	
1615 5050						28												
28N/07E-07A01 M		7.8	108			6.9		0.0	62		1.6						41	
6-20-68 5050		6.6	130			.30			1.02		.04						0	
1400 5050						27												
28N/07E-07H01 M		8.0	131			5.2		0.0	71		4.3						62	
6-20-68 5050		6.6	140			.23			1.16		.12						4	
1445 5050						16												
28N/07E-18B01 M		8.0	143			3.8		0.0	88		1.6						73	
6-20-68 5050		7.2	180			.16			1.44		.04						1	
1500 5050						10												
28N/07E-18D01 M		7.5	58			2.7		0.0	32		0.9						23	
6-20-68 5050		7.0	60			.12			.52		.02						0	
1530 5050						21												
28N/07E-18M01 M		7.4	51			2.6		0.0	26		0.9						25	
6-20-68 5050		7.4	55			.11			.43		.02						4	
1600 5050						18												
INDIAN VALLEY 5-09.00																		
26N/10E-04E01 M		7.9	218			8.0		0.0	141		1.6						105	
6-19-68 5050		7.4	370			.35			2.31		.04						0	
1530 5050						14												
26N/10E-06E01 M		8.1	498			64		0.0	116		88			1.5			96	
6-19-68 5050		7.0	368			2.78			1.90		2.48						1	
1600 5050						59												



TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in					Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH	
INDIAN VALLEY 5-09.00																		
26N/10E-16P01 M		8.2	505			49		0.0	214		35					159		
6-19-68 5050		7.4	750			2.13			3.51		.99					8		
1500 5050						40												
26N/10E-18M01 M		8.3	239			12		0.0	150		1.9					107		
6-20-68 5050		7.4	260			.52			2.46		.05					0		
0830 5050						20												
26N/10E-23A01 M		7.9	182			5.0		0.0	102		1.7					88		
6-19-68 5050		6.8	220			.22			1.67		.05					4		
1430 5050						11												
26N/10E-27R01 M		7.6	94			4.8		0.0	47		1.3					38		
6-19-68 5050		6.4	110			.21			.77		.04					0		
1415 5050						22												
27N/09E-35P01 M		8.1	230			9.5		0.0	149		1.8					112		
6-19-68 5050		7.0	280			.41			2.44		.05					0		
1620 5050						15												
AMERICAN VALLEY 5-10.00																		
24N/09E-02A01 M		7.5	182			12		0.0	115		1.7					77		
8-13-68 5050		7.1	205			.52			1.88		.05					0		
1210 5050						25												
24N/09E-10H01 M		7.2	147			2.2		0.0	80		1.4					73		
8-13-68 5050		6.5	165			.10			1.31		.04					8		
1150 5050						6												
24N/09E-16H02 M		7.2	87			5.0		0.0	42		1.4					32		
8-13-68 5050		6.1	100			.22			.69		.04					0		
1115 5050						26												
24N/10E-06N01 M		7.9	408			26		0.0	241		5.2					170		
8-13-68 5050		7.4	410			1.13			3.95		.15					0		
1300 5050						25												
24N/10E-08L01 M		7.5	239			8.6		0.0	133		1.8					112		
8-13-68 5050		6.7	245			.37			2.18		.05					3		
1310 5050						14												
24N/10E-19B01 M		7.2	96			1.6		0.0	47		1.1					44		
8-13-68 5050		6.7	110			.07			.77		.03					6		
1035 5050						7												
MOHAWK VALLEY 5-11.00																		
22N/12E-09Q01 M		7.4	262			14		0.0	104		1.6					100		
8-14-68 5050						.61			1.70		.04					15		
1415 5050						23												
22N/13E-19N02 M		7.8	248			21		0.0	135		2.0					84		
8-13-68 5050		7.4	260			.91			2.21		.06					0		
1455 5050						35												
22N/13E-30R01 M		7.2	381			51		0.0	78		25					73		
8-13-68 5050		7.1	375			2.22			1.28		.70					9		
0850 5050						60												
SIERRA VALLEY 5-12.00																		
20N/14E-04G02 M		8.3	191			13		0.0	124		1.5					71		
8-15-68 5050		7.5	200			.56			2.03		.04					0		
0835 5050						28												
21N/14E-15J01 M		8.2	449			73		0.0	128		53	33				50		
8-15-68 5050		7.5	480			3.18			2.10		1.50	.53				0		
0735 5050						76												
21N/14E-22L01 M		8.2	604			90		0.0	145		104					74		
8-15-68 5050		7.3	595			3.92			2.38		2.93					0		
0755 5050						73												
21N/14E-29J01 M		8.2	222			8.7		0.0	149		1.4					105		
8-15-68 5050		7.3	230			.38			2.44		.04					0		
0815 5050						15												
21N/14E-36K01 M		8.2	196			11		0.0	122		2.4					80		
8-15-68 5050		7.5	180			.48			2.00		.07					0		
0910 5050						23												
21N/15E-05D01 M		8.1	1510			294		0.0	170		278		4.9			35		
8-14-68 5050		7.1	1400			12.79			2.79		7.84					0		
1245 5050						95												

TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in								Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH				
SIERRA VALLEY 5-12.00																					
21N/15E-09Q03 M	62	8.0	234				27	0.0	114		2.0							57			
8-14-68 5050		7.5	300				1.17		1.87		.06							0			
1210 5050							51														
22N/14E-14F02 M		8.2	156				8.5	0.0	99		1.5							64			
8-14-68 5050		7.3	175				.37		1.62		.04							0			
1400 5050							22														
22N/15E-11F01 M		7.8	566				114	0.0	225		34			1.1				31			
8-14-68 5050		7.1	600				4.96		3.69		.96							0			
0955 5050							89														
22N/15E-12B01 M		6.7	182				24	0.0	34		2.4							27			
8-14-68 5050		7.3	250				1.04		.56		.07							0			
0930 5050							66														
22N/15E-17C03 M		8.2	370				75	0.0	136		28			1.2				19			
8-14-68 5050		7.5	420				3.26		2.23		.79							0			
1335 5050							90														
22N/15E-26K02 M		8.1	2600	47	96	415	5.3	0.0	691	477	265	0.0		0.1		1620	512				
8-14-68 5050		7.3	2500	2.35	7.88	18.05	.14		11.32	9.93	7.48						0				
1130 5050				8	28	64			40	34	26										
22N/16E-05N02 M		7.0	160				26	0.0	57		1.9							18			
8-14-68 5050		7.3	200				1.13		.93		.05							0			
0905 5050							76														
22N/16E-19E01 M	61	8.2	220				22	0.0	106		8.3							57			
8-14-68 5050		7.4	240				.96		1.74		.23							0			
1100 5050							46														
23N/14E-25G02 M		7.4	414				20	0.0	1.62		9.2			1.7				164			
8-14-68 5050		7.1	395				.87		2.66		.26							31			
0755 5050							21														
23N/14E-35L02 M	56	7.9	780				135	0.0	83		126			1.7				65			
8-14-68 5050		7.5	750				5.87		1.36		3.55							0			
1425 5050							82														
23N/15E-28H04 M		7.6	293				12	0.0	171		2.5							128			
8-14-68 5050		7.5	310				.52		2.80		.07							0			
0810 5050							17														
23N/15E-35C01 M	70	7.3	369				58	0.0	70		43			1.1				35			
8-14-68 5050		7.2	405				2.52		1.15		1.21							0			
0825 5050							78														
UPPER LAKE VALLEY 5-13.00																					
15N/09W-06F01 M	58	8.2	192	17	9.8	5.8	0.8	0.0	100	9.9	2.7	0.6		0.1		105	83				
9-18-68 5050		6.7	190	.85	.81	.25	.02		1.64	.21	.08	.01				96	1				
1110 5050				44	42	13	1		85	11	4	1									
15N/09W-07B01 M	65	6.5	225																		
9-18-68 5050																					
1230 5050																					
15N/09W-17P01 M	68	8.3	456			6.4		0.0	292		4.2			0.0				244			
9-18-68 5050		7.1	450			.28			4.79		.12							5			
1310 5050						6			105		2										
15N/09W-31P01 M	73	7.6	151	6.7	8.4	9.8	2.3	0.0	84	1.0	4.8	0.1		0.0		81	51				
9-17-68 5050		6.8	185	.33	.69	.43	.06		1.38	.02	.14					74	0				
1430 5050				22	46	28	4		90	1	9										
15N/10W-03C01 M	72	8.1	388			8.2		0.0	197		7.0			0.0				189			
9-18-68 5050		7.1	375			.36			3.23		.20							28			
0815 5050						9			83		5										
15N/10W-03J01 M	62	8.2	1500	96	91	120	3.3	0.0	422	434	48	0.6		0.4		1060	615				
9-18-68 5050		7.3	1500	4.79	7.48	5.22	.08		6.92	9.03	1.35	.01				1000	269				
1645 5050				27	43	30			40	52	8										
15N/10W-13A01 M	62	8.0	205	11	14	12		0.0	124		2.8			0.2				88			
9-18-68 5050		6.2	230	.55	1.21	.52			2.03		0.8							0			
1245 5050				26	59	25			99		3										
15N/10W-13A02 M	64	8.1	199	13	12	8.4	0.6	0.0	115	0.0	3.3	0.5		0.1		116	81				
9-18-68 5050		7.1	195	.65	.99	.37	.02		1.89		.09	.01				94	0				
1010 5050				32	49	18	1		95		5	1									
16N/09W-31L03 M	65	8.0	220	21	8.4	8.6	1.3	0.0	105	13	3.4	5.1		0.1		126	87				
9-18-68 5050		6.8	250	1.05	.69	.37	.03		1.72	.27	.10	.08				112	1				
1130 5050				49	32	17	1		79	12	5	4									
16N/09W-31Q01 M	57	7.9	165	16	7.8	6.0	0.6	0.0	84	5.3	2.5	1.7		0.0		95	72				
9-18-68 5050		6.8	165	.80	.64	.26	.02		1.38	.11	.07	.03				81	3				
1200 5050				47	37	15	1		87	7	4	2									



TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in								Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM
SCOTT VALLEY 5-14.00																
14N/09W-06F02 M 9-17-68 1500 5050	73	6.0	50													
14N/10W-03F01 M 9-18-68 5050 1010 5050		8.2	342	29 1.45 40	16 1.32 36	19 .83 23	0.8 .02 1	0.0 3.26 92	199 .01 4	0.3 .15 4	5.2 .12 3	7.3 .02	0.2	187 175	138 0	
14N/10W-10F01 M 9-18-68 5050 0930 5050		7.6	297	33 1.65 52	14 1.15 36	8.4 .37 12	0.9 .02 1	0.0 2.89 91	176 .12 4	5.6 .13 4	4.5 .02 1	1.3 .04	0.0	147 154	142 0	
14N/10W-14E03 M 9-18-68 5050 0850 5050		7.9	213	22 1.10 51	9.0 .74 34	7.0 .30 14	0.7 .02 1	0.0 1.92 86	117 .16 7	7.9 .12 5	4.2 .04 2	2.4	0.1	98 111	92 0	
KELSEYVILLE VALLEY 5-15.00																
13N/09W-02K02 M 9-17-68 5050 0930 5050	60	8.0 6.7	829 800	43 2.15 18	108 8.88 75	16 .70 6	1.6 .04	0.0 7.49 81	457 .81 9	39 .76 8	27 .24 3	15 .03	0.1	461 474	441 67	
13N/09W-06B01 M 9-17-68 5050 0815 5050	62	8.5 7.1	1047 1080	44 2.20 14	151 12.41 78	31 1.35 8	1.9 .05	18 .60 5	693 11.37 89	0.0 .56 4	20 .23 2	14	0.7	611 620	578 0	
13N/09W-08B01 M 9-17-68 5050 1045 5050	62	8.3 6.9	494 475	37 1.85 37	37 3.11 62	11 .48 9		0.0 4.48 90	273 4.48	6.0 .17 3			0.2		248 24	
13N/09W-08N02 M 9-17-68 1100 5050	72	6.4	290													
13N/09W-12M01 M 9-17-68 5050 1010 5050	64	8.3 7.3	462 450	18 .90 19	40 3.30 71	16 .70 15		0.0 4.38 94	267 4.38	19 .54 11			0.4		210 0	
13N/09W-17A01 M 9-17-68 5050 1145 5050	67	8.3 6.5	920 1050	35 1.75 12	139 11.43 79	27 1.17 8	2.7 .07	0.0 10.99 96	670 10.99	0.0 .31 3	11 .19 2	12	0.9	550 556	520 0	
13N/09W-22J01 M 9-19-68 5050 0910 5050	60	8.1 6.9	533 510	12 .60 11	59 4.86 91	10 .44 8		0.0 5.07 95	309 5.07	10 .28 5			0.0		273 20	
14N/09W-32J01 M 9-17-68 5050 0845 5050	61	8.4 6.8	756 805	43 2.15 28	61 5.09 67	17 .74 9		6.0 .20 2	390 6.40 84	28 .79 10			0.1		362 32	
14N/09W-32J02 M 9-17-68 5050 0830 5050	62	8.3 6.5	558 580	39 1.95 26	60 4.93 66	14 .61 8	1.2 .03	0.0 5.64 91	344 5.64	11 .23 4	11 .31 5	3.0 .05 1	0.1	314 308	285 3	
HIGH VALLEY 5-16.00																
14N/08W-23K01 M 9-18-68 5050 1500 5050	68	8.1 6.9	296 310			22 .96 32		0.0 2.43 82	148 2.43	15 .42 14			0.0		112 0	
14N/08W-24B02 M 9-18-68 5050 1520 5050	67	7.9 6.1	919 910										3.7			
14N/08W-24F01 M 9-18-68 5050 1545 5050	66	8.2 6.0	770 875	54 2.69 27	63 5.18 52	47 2.04 20	3.0 .08 1	0.0 7.13 83	435 7.13	37 .77 9	13 .37 4	20 .32 4	0.5	505 451	330 0	
BURNS VALLEY 5-17.00																
13N/07W-15N01 M 9-16-68 5050 1125 5050	69	8.0 6.9	238 240			27 1.17 49		0.0 2.07 86	126 2.07	5.5 .16 6			0.4	0.7	70 0	
13N/07W-21H01 M 9-18-68 5050 1000 5050	68	7.7 6.9	348 315	26 1.30 32	24 1.97 48	19 .83 20	0.9 .02	0.0 3.25 92	198 3.25	0.0 .28 8	10 .01	0.5	0.5	208 178	140 0	
13N/07W-21J02 M 9-16-68 5050 1230 5050	66	8.1 7.1	605 620	58 2.89 38	37 3.04 40	37 1.61 21	2.0 .05 1	0.0 6.35 95	387 6.35	0.0 .34 5	12 0.3	0.3	0.6	368 337	260 0	
13N/07W-22B02 M 9-16-68 5050 1300 5050	65	8.1 6.9	515 500	39 1.95 37	26 2.17 42	26 1.13 21		0.0 3.80 73	232 3.80	19 .54 10	32 .52 10				206 16	

TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in							Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH			
LOWER LAKE VALLEY 5-30.00																				
12N/07W-01M02 M 9-18-68 5050 1145 5050		8.1	388	27	19	21	0.5	0.0	127	57	12	16	0.2	0.2	211	146				
				1.35	1.56	.91	.01		2.08	1.19	.34	.26			215	42				
				35	41	24			54	31	9	7								
12N/07W-13N01 M 9-18-68 5050 1400 5050		8.2	614	35	27	64	0.3	0.0	304	60	12	3.0	0.3	0.2	340	197				
				1.75	2.22	2.78	.01		4.99	1.25	.34	.05			351	0				
				26	33	41			75	19	5	1								
12N/07W-14C02 M 9-18-68 5050 1300 5050		8.1	740	36	23	89	0.3	0.0	220	123	22	53	0.2	0.0	408	186				
				1.80	1.89	3.87	.01		3.61	2.56	.62	.85			454	6				
				24	25	51			47	34	8	11								
12N/07W-14F01 M 9-18-68 5050 1340 5050		8.2	4080	249	223	553	3.6	0.0	450	2150	66	1.7	0.3	1.1	3760	1540				
				12.43	18.33	24.06	.09		7.38	44.72	1.86	.03			3468	1172				
				23	33	44			14	83	3									
COYOTE VALLEY 5-18.00																				
11N/06W-19P02 M 7-17-68 5050 1615 5050		8.2	460	32	38	4.5		0.0	282		4.7			0.1		236				
				1.60	3.12	0.20			4.62		.13					5				
				33	63	4														
11N/06W-29M01 M 7-17-68 5050 1700 5050	67		590																	
11N/06W-30A02 M 7-17-68 5050 1640 5050	64		441																	
11N/07W-13M01 M 7-17-68 5050 1600 5050		8.0	622	42	45	19		0.0	351		5.6			0.0		292				
				2.10	3.73	.83			5.71		.16					4				
				32	56	12														
COLLAYOMI VALLEY 5-19.00																				
10N/07W-03B02 M 7-18-68 5050 1030 5050			261																	
10N/07W-03L04 M 7-18-68 5050 1200 5050			294																	
10N/07W-03M01 M 7-18-68 5050 1240 5050		7.8	237	15	17	9.5		0.0	134		4.6			0.0		108				
				.75	1.41	.41			2.20		.13					0				
				29	55	16														
11N/07W-33J02 M 7-18-68 5050 1115 5050		7.8	190	12	15	4.4		0.0	126		2.0			0.0		93				
				.60	1.26	.19			2.06		.06					0				
				29	62	9														
11N/07W-35E01 M 7-18-68 5050 0945 5050			331																	
SACRAMENTO VALLEY 5-21.00																				
TEHAMA COUNTY 5-21.01																				
23N/02W-05A01 M 7-02-68 5050 1325 5050	67	8.1	248	14	12	22	0.9	0.0	135	5.1	4.5	7.8		0.0	148	83				
		7.8	240	.70	.99	.96	.02		2.21	.11	.13	.13			132	0				
				26	37	36	1		86	4	5	5								
23N/03W-22Q01 M 7-08-68 5050 1110 5050	70	8.0	305	20	13	21	1.3	0.0	152	11	16	5.0		0.1	162	104				
		7.3	315	1.00	1.07	.91	.03		2.49	.23	.45	.08			162	0				
				33	36	30	1		77	7	14	2								
24N/01W-36A02 M 6-25-68 1110 5050	69	7.1	230																	
24N/02W-30C01 M 7-02-68 5050 1250 5050	68	8.5	431			29		4.0	222		12					165				
		7.4	420			1.26		.13	3.64		.34					0				
						29		3	84		7									
24N/03W-14M01 M 7-02-68 5050 1205 5050	70	8.1	281	26	13	12	1.3	0.0	150	7.4	5.5	7.4		0.0	138	117				
		7.1	280	1.30	1.07	.52	.03		2.46	.15	.16	.12			146	0				
				45	37	18	1		85	5	6	4								
24N/03W-20N01 M 7-08-68 5050 1030 5050	66	8.3	175	11	7.9	14		0.0	88		2.7			0.0		60				
		7.0	175	.55	.65	.61			1.44		.08					0				
				31	37	34			82		4									
25N/02W-16F01 M 6-24-68 1500 5050	69	7.2	285																	



TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in					Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH	
TEHAMA COUNTY 5-21.01																		
25N/02W-16P01 M 6-24-68 1525 5050	71	7.0	365															
25N/03W-03N01 M 7-02-68 1045 5050	68	7.5	385															
25N/03W-31R01 M 7-03-68 5050 1230 5050	68	8.3 7.0	479 470			7.4 .32 6		0.0	219 3.59 74		7.0 .20 4	4.0 .06 1				230 51		
26N/02W-09E01 M 6-24-68 5050 1410 5050	65	8.2	543	39 1.95 35	37 3.04 55	12 .52 9	2.4 .06 1	0.0	257 4.21 78	36 .75 14	11 .31 6	6.6 .11 2	0.1			304 270	250 40	
26N/02W-28P01 M 6-24-68 5050 1430 5050		8.2	258	17 .85 33	15 1.23 47	11 .48 18	1.8 .05 2	0.0	112 1.84 69	17 .35 13	12 .34 13	7.5 .12 5	0.3			156 136	104 12	
26N/03W-03N01 M 6-25-68 0840 5050	78	7.1	320															
26N/03W-36E02 M 6-25-68 5050 0910 5050		8.4	402	25 1.25 30	24 1.97 48	19 .83 20	2.2 .06 1	3.0 .10 2	198 3.25 79	12 .25 6	16 .45 11	5.8 .09 2	0.0			183 204	161 0	
26N/03W-36K01 M 6-25-68 0920 5050	68	7.4	400															
26N/04W-10D01 M 7-08-68 5050 0910 5050	68	8.3 7.6	390 395	29 1.45 36	18 1.48 36	25 1.09 27	1.6 .04 1	0.0	240 3.94 95	2.3 .05 1	3.7 .10 2	3.1 .05 1	0.0			186 200	146 0	
27N/02W-30C02 M 6-24-68 5050 1345 5050		8.2	304	21 1.05 34	18 1.48 48	12 .52 17	2.3 .06 2	0.0	171 2.80 89	4.4 .09 3	8.4 .24 8	1.9 .03 1	0.0			183 152	128 0	
27N/03W-10Q01 M 7-02-68 1610 5050	70	7.9	295															
27N/03W-15C01 M 6-24-68 5050 1310 5050	69	8.1 7.1	281			13 .57 20					12 .34 12					109 109		
27N/03W-19A01 M 6-24-68 1215 5050	68	7.4	225															
27N/03W-22B01 M 7-03-68 5050 0920 5050	63	7.8 7.0	453 440	17 .85 18	14 1.19 26	46 2.00 44		0.0	115 1.89 41		63 1.78 39		1.0			102 8		
27N/03W-23D01 M 6-28-68 1515 5050	64	7.1	585															
27N/04W-01H02 M 7-08-68 0830 5050	69	7.9	255															
27N/04W-34P01 M 3-20-68 5000 5000		8.2	342	28 1.40 37	15 1.23 32	26 1.13 30	1.1 .03 1	0.0	226 3.71 97	1.0 .02 1	2.6 .07 2	1.6 .03 1	0.1	0.0	27	207 213	82 0	
GLENN COUNTY 5-21.02																		
18N/02W-01E01 M 6-06-68 5050 1650 5050	66	8.2	905 810	61 3.04 30	49 4.03 40	69 3.00 30	2.5 .06 1	0.0	524 8.59 86	42 .87 9	17 .48 5	6.5 .10 1	0.2			476 504	356 0	
18N/02W-07F01 M 6-07-68 5050 0850 5050	67	8.2	618	32 1.60 25	30 2.47 39	53 2.31 36	0.5 .01	0.0	288 4.72 73	64 1.33 21	8.5 .24 4	8.6 .14 2	0.1			314 338	202 0	
18N/03W-10K01 M 6-07-68 5050 0930 5050	74	8.2	543	25 1.25 22	15 1.23 22	71 3.09 55	0.5 .01	0.0	263 4.31 79	28 .58 11	17 .48 9	4.0 .06 1	0.2			276 290	123 0	
18N/04W-02F01 M 6-07-68 5050 1020 5050	76	7.9	1280	76 3.79 29	50 4.11 32	116 5.05 39					136 3.84 30		0.5			397 397		
19N/02W-23N01 M 6-06-68 5050 1540 5050		8.3	926	65 3.24 31	57 4.69 44	60 2.61 25	0.5 .01	0.0	551 9.04 87	51 1.06 10	9.3 .26 3	0.3	0.2			512 513	396 0	

TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in				Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter					
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH	
GLENN COUNTY 5-21.02																		
19N/03W-04L01 M 4-16-68 5701 5701	68	8.1	388	20 1.00 23	18 1.48 34	41 1.78 41	1.2 .03 1	2.1 .07 2	230 3.77 86	5.0 .10 2	11 .31 7	7.0 .11 3	0.3	0.1	23	244 241	122 0	
19N/03W-09A01 M 7-30-68 5701 5701	68	8.1	403	18 .90 20	22 1.81 41	39 1.70 38	0.8 .02	2.7 .09 2	237 3.89 85	10 .21 5	8.0 .23 5	11 .18 4	0.2	0.1	27	258 255	136 0	
19N/03W-09J01 M 6-07-68 1330 5050	68		465															
19N/03W-09R01 M 4-16-68 5701 5701	68	7.9	602	28 1.40 22	29 2.38 37	62 2.70 42	0.8 .02	1.5 .05 1	308 5.05 77	49 1.02 16	10 .28 4	9.0 .14 2	0.5	0.1	22	366 363	190 0	
19N/03W-10D01 M 7-30-68 5701 5701	68	8.0	657	34 1.70 24	28 2.30 32	71 3.09 43	1.6 .04 1	2.1 .07 1	354 5.81 79	43 .89 12	13 .37 5	11 .18 2	0.5	0.2	27	408 405	200 0	
19N/03W-18P01 M 6-07-68 5050 1110 5050	68	8.2	636	40 2.00 31	24 1.97 31	55 2.39 37	0.8 .02	0.0 4.44 69	271 .98 15	47 .85 13	30 .13 2	8.0	0.1		334 338	199 0		
20N/02W-13Q01 M 6-06-68 1405 5050	65		450															
21N/02W-15C01 M 6-08-68 5050 0625 5050	66	8.1	718	80 3.99 56	27 2.22 31	21 .91 13	1.0 .03	0.0 5.08 71	310 .42 6	20 1.21 17	43 .45 6	28	0.2		392 372	312 58		
21N/03W-20D02 M 6-07-68 5050 0800 5050	72	8.2	369	22 1.10 30	16 1.32 36	28 1.22 33	0.9 .02 1	0.0 2.57 69	157 .15 4	7.4 .79 21	28 .24 6	15	0.2		189 194	119 0		
22N/01W-19J01 M 5-15-68 5701 5701	68	8.3	415	37 1.85 43	20 1.64 38	19 .83 19	0.8 .02	0.3 .01 74	197 3.23 9	19 .40 14	22 .62 14	7.0 .11 3	0.2	0.1	39	263 261	174 12	
22N/01W-29C01 M 6-06-68 1040 5050	66		443															
22N/01W-29D01 M 7-17-68 5701 5701	64	7.6	562	55 2.74 47	27 2.22 38	21 .91 15	0.8 .02	0.6 .02 72	260 4.26 10	30 .62 10	29 .82 14	13 .21 4	0.1	0.2	20	327 324	248 34	
22N/02W-03A01 M 6-06-68 1020 5050	64		561															
22N/02W-26B01 M 6-06-68 5050 1340 5050	65	8.3	426	42 2.10 47	19 1.56 35	18 .78 17	1.3 .03 1	0.0 3.23 75	197 .44 10	21 .51 12	18 .14 3	8.7	0.2		204 225	182 21		
22N/03W-17K01 M 6-06-68 5050 0840 5050	70	8.3	568	63 3.14 54	23 1.89 32	18 .78 13	1.1 .03 1	0.0 4.56 81	278 .52 9	25 .39 7	14 .16 3	10	0.0		294 290	252 24		
22N/03W-22Q01 M 6-06-68 0910 5050	67	6.7	440															
22N/03W-25B01 M 6-06-68 5050 0950 5050	66	8.1	417			20 .87 20		0.0 182 2.98 71									164 15	
BUTTE COUNTY 5-21.03																		
17N/01E-01R01 M 6-27-68 5050 1035 5050	64	8.3 7.4	920 945	48 2.40 24	60 4.93 49	60 2.61 26	2.6 .07 1	0.0 8.43 84	514 .33 3	16 1.07 11	38 .23 2	14	0.0		472 490	368 0		
17N/03E-18Q01 M 6-27-68 5050 0930 5050	70	8.7 7.1	737 675	56 2.79 37	46 3.84 52	24 1.04 14		26 .87 11	396 6.49 88		2.6 .07						332 0	
17N/04E-20P01 M 6-26-68 5050 1615 5050	65	8.5 7.1	469 465	29 1.45 32	22 1.81 40	28 1.22 27	1.5 .04 1	3.0 .10 2	172 2.82 61	32 .67 14	36 1.02 22	1.2 .02	0.2		274 237	164 18		
18N/01E-14R01 M 6-27-68 5050 1105 5050	66	8.6 7.5	303 305			15 .65 21		6.0 .20 6	165 2.71 89		4.2 .12 3		0.0				127 0	
18N/02E-12G01 M 6-27-68 5050 1215 5050	70	8.3 7.0	218 220			11 .48 22		0.0 126 2.07 94			2.6 .07 3						87 0	



TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in				Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter					
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH	
BUTTE COUNTY 5-21.03																		
18N/03E-33N01 M 6-27-68 0900 5050	67	7.5	270															
18N/04E-07A01 M 6-26-68 5050 1425 5050	71	7.1	164 165			11				3.5						55 55		
18N/04E-21P01 M 6-26-68 5050 1500 5050	67	8.5 7.3	278 280			11		4.0 .13 4	135 2.21 79		6.8 .19 6			0.0		122 5		
18N/04E-28M01 M 6-26-68 5050 1530 5050	71	8.3 8.3	2650 2600	40 2.00 8	4.9 .40 2	515 22.40 90	6.0 .15 1	0.0 2.56 10	156 14.87 60	715 7.39 30	262 5.5 30			7.0		1640 1632	120 0	
19N/02E-16R01 M 6-27-68 1355 5050	67	7.3	240															
19N/03E-36B01 M 6-26-68 1355 5050	71	7.0	395															
19N/04E-06P01 M 6-26-68 5050 1145 5050	71	8.0 7.1	280 280	17 .85 29	16 1.32 45	16 .70 24	1.4 .04 1	0.0 2.49 84	152 .12 4	5.9 .18 6	6.5 .16 5			0.0		170 147	108 0	
19N/04E-06P02 M 6-26-68 5050 1205 5050	69	8.3 7.1	319 325	20 1.00 30	18 1.48 45	18 .78 24	1.4 .04 1	0.0 2.90 85	177 .15 4	7.1 .23 7	8.0 .13 4			0.0		178 167	124 0	
19N/04E-07P01 M 8-14-68 5701 5701	67	7.6	469	37 1.85 38	20 1.64 34	29 1.26 26	2.7 .07 1	0.6 .02 66	197 3.23 13	31 .64 13	32 .90 18	6.0 .10 2	0.9	0.2	41	297 297	172 10	
19N/04E-20C01 M 8-14-68 5701 5701	66	7.3	393	28 1.40 34	21 1.73 41	23 1.00 24	1.6 .04 1	0.3 .01 80	203 3.33 6	13 .27 6	14 .39 9	11 .18 4	0.6	0.1	51	265 263	158 0	
19N/04E-20N01 M 7-05-68 5701 5701	70	7.5	401	27 1.35 33	20 1.64 40	25 1.09 27	0.8 .02	0.3 .01	199 3.26 77	14 .29 7	15 .42 10	16 .26 6	0.6		54	272 270	152 0	
20N/01E-04J01 M 6-27-68 5050 1520 5050	64	8.2 7.1	530 525	37 1.85 35	34 2.79 53	14 .61 12	1.5 .04 1	0.0 4.13 77	252 .44 8	21 .48 9	17 .34 6			0.0		318 269	233 27	
20N/02E-29R03 M 6-27-68 5050 1415 5050	78	8.3 7.3	556 535	45 2.25 40	24 2.05 36	28 1.22 21		0.0 3.99 71	243 1.18 21		42 1.18 21						215 16	
20N/03E-15H01 M 6-26-68 5050 1030 5050	69	8.0 6.2	169 165			5.3 .23 13					1.9 .05 2						75 75	
21N/01E-34M01 M 6-28-68 5050 1230 5050		8.3	539	40 2.00 36	37 3.04 54	12 .52 9	1.4 .04 1	0.0 5.26 92	321 .13 2	6.1 .20 3	7.0 .14 2	9.0 .11 2			0.0		279 270	253 0
21N/02E-30F01 M 6-27-68 5050 1445 5050	66	8.2 7.1	310 310	23 1.15 37	17 1.43 46	9.8 .43 13		0.0 2.61 84	159 .09 2		3.3 .29 9	18 .11 2						129 0
21N/03E-10Q01 M 6-26-68 1100 5050	68	7.0	265															
21N/01W-35C01 M 6-27-68 5050 1605 5050	73	8.6 7.1	522 500	42 2.10 40	29 2.38 45	20 .87 16		12 .40 7	277 4.54 86		5.4 .15 2							226 0
22N/01E-09N01 M 6-28-68 1050 5050	65	7.1	825															
22N/01E-13E01 M 1-16-68 5701 5701	72	8.0	229	23 1.15 48	9.0 .74 31	10 .44 18	2.3 .06 3	0.6 .02 1	138 2.26 91	3.0 .06 2	4.0 .11 4	2.0 .03 1	0.1		58	181 180	95 0	
22N/01E-14G01 M 5-10-68 5701 5701	70	7.7	230	21 1.05 43	11 .90 37	10 .44 18	1.6 .04 2	0.6 .02 1	129 2.12 86	4.0 .08 3	5.0 .14 6	7.0 .11 4	0.1	0.0	59	184 183	96 0	
22N/01E-15B01 M 6-27-68 5701 5701	72	8.0	228	18 .90 36	14 1.15 46	9.0 .39 16	1.6 .04 2	0.6 .02 1	128 2.10 86	2.0 .04 2	5.0 .14 6	8.0 .13 5	0.1	0.0	60	182 181	100 0	
22N/01E-16H01 M 7-30-68 5701 5701	70	8.4	211	16 .80 37	12 .99 45	8.0 .35 16	1.6 .04 2	2.1 .07 3	122 2.00 85	2.0 .04 2	5.0 .14 6	7.0 .11 5	0.1	0.1	61	176 175	90	

TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in									Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH
BUTTE COUNTY 5-21.03																	
22N/01E-22F01 M 4-09-68 5701 5701	62	7.6	267	26 1.30 48	10 .82 30	13 .57 21	1.6 .04 1	0.3 .01	132 2.16 78	6.0 .12 4	11 .31 11	10 .16 6	0.1	0.0	53	197 196	108 0
22N/01E-22Q01 M 4-09-68 5701 5701	67	7.9	223	22 1.10 43	11 .90 35	12 .52 20	1.6 .04 2	0.6 .02 1	127 2.08 83	3.0 .06 2	8.0 .23 9	8.0 .13 5	0.1	0.0	53	183 182	98 0
22N/01E-23C01 M 7-05-68 5701 5701	64	7.8	211	16 .80 36	11 .90 41	11 .48 22	0.8 .02 1	0.6 .02 1	104 1.71 76	5.0 .10 4	9.0 .25 11	10 .16 7	0.1	0.1	40	155 155	84 0
22N/01E-23L01 M 5-28-68 5701 5701	66	7.8	296	29 1.45 49	11 .90 30	13 .57 19	1.6 .04 1	0.6 .02 1	133 2.18 73	7.0 .15 5	10 .28 9	22 .35 12	0.1	0.1	40	201 200	116 6
22N/01E-23P01 M 7-08-68 5701 5701	65	7.9	312	26 1.30 42	15 1.23 39	13 .57 18	1.2 .03 1	0.6 .02 1	143 2.35 73	10 .21 7	14 .39 12	15 .24 7	0.1	0.1	45	211 210	128 10
22N/01E-24N01 M 5-25-68 5701 5701	64	8.0	223	24 1.20 48	9.0 .74 30	12 .52 21	1.6 .04 2	0.6 .02 1	131 2.15 81	4.0 .08 3	12 .34 13	3.0 .05 2	0.1	0.1	42	174 173	98 0
22N/01E-25M01 M 1-11-68 5701 5701	66	7.9	223	22 1.10 50	7.0 .58 26	11 .48 22	1.9 .05 2	0.6 .02 1	126 2.07 85	3.0 .06 2	8.0 .23 9	4.0 .06 2	0.1		45	166 164	85 0
22N/01E-26J01 M 7-05-68 5701 5701	66	8.1	222	18 .90 38	12 .99 42	10 .44 19	1.6 .04 2	0.9 .03 1	120 1.97 83	3.0 .06 3	9.0 .25 11	4.0 .06 3	0.1	0.1	47	166 165	92 0
22N/01E-26L01 M 1-17-68 5701 5701	64	7.8	211	19 .95 42	9.0 .74 33	12 .52 23	1.6 .04 2	0.6 .02 1	116 1.90 81	4.0 .08 3	12 .34 14	1.0 .02 1	0.1		53	170 169	85 0
22N/01E-26Q01 M 6-27-68 5701 5701	64	7.4	261	20 1.00 36	16 1.32 47	10 .44 16	1.2 .03 1	0.3 .01	138 2.26 82	4.0 .08 3	10 .28 10	9.0 .14 5	0.1	0.0	42	182 180	114 1
22N/01E-27G02 M 4-09-68 5701 5701	66	7.3	450	49 2.45 51	18 1.48 31	20 .87 18	1.6 .04 1	0.3 .01	252 4.13 85	12 .25 5	14 .39 8	5.0 .08 2	0.1	0.2	49	295 293	196 0
22N/01E-35A01 M 7-08-68 5701 5701	66	7.6	332	29 1.45 41	20 1.64 47	9.0 .39 11	1.2 .03 1	0.6 .02 1	172 2.82 78	10 .21 6	11 .31 9	15 .24 7	0.1	0.0	55	246 235	152 10
22N/01E-35E01 M 5-08-68 5701 5701	62	7.5	332	29 1.45 42	17 1.40 41	13 .57 17	1.2 .03 1	0.3 .01	173 2.84 80	7.0 .15 4	15 .42 12	7.0 .11 3	0.1	0.1	47	223 221	142 0
22N/01E-36C01 M 4-12-68 5701 5701	68	8.0	238	21 1.05 42	8.0 .66 26	17 .74 30	1.9 .05 2	0.6 .02 1	132 2.16 85	4.0 .08 3	9.0 .25 10	1.0 .02 1	0.1	0.2	49	178 176	84 0
22N/02E-17E01 M 6-28-68 5050 1225 5050	62	8.2 7.1	216 220	16 .80 37	9.7 .80 37	13 .57 26		0.0	109 1.79 82		8.4 .24 11						80 0
23N/01W-09L01 M 6-28-68 1425 5050	68	7.1	440														
COLUSA COUNTY 5-21.04																	
13N/01E-07A01 M 8-23-68 1445 5050	68	7.9	1330														
13N/01E-22J01 M 8-21-68 1135 5050	64	7.2	258														
13N/01W-08B01 M 8-23-68 5050 1255 5050	68	7.7 7.4	1490 1460	109 5.44 41	59 4.85 36	70 3.05 23	1.4 .04	0.0	204 3.35 25	9.7 .20 1	349 9.84 73	11 .18 1		0.4		1060 1336	514 347
13N/02W-26A01 M 8-23-68 5050 1110 5050	74	8.3 7.6	734 710	43 2.15 29	38 3.12 42	48 2.09 28	1.0 .03	0.0	296 4.85 66	8.9 .19 3	72 2.03 28	18 .29 4		0.3		407 374	264 22
14N/01W-02D01 M 8-21-68 5050 1020 5050	66	7.8 7.6	1390 1340			124 5.39 38		0.0	248 4.07 29		251 7.08 50						420 217
14N/01W-31Q01 M 8-22-68 5050 1500 5050	66	8.0 7.8	568 542			41 1.78 31		0.0	172 2.82 49		78 2.20 38			0.4			176 35



TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in				Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH
COLUSA COUNTY 5-21.04																	
14N/02W-29J01 M 8-22-68 5050 1220 5050	69	7.8 7.5	314 315	17 .85 27	15 1.23 39	25 1.09 34	0.9 .02 1	0.0	136 2.23 73	3.6 .07 2	18 .51 17	14 .23 8	0.0	188 160	104 0		
14N/02W-35P01 M 8-22-68 5050 1110 5050	69	7.7 7.5	582 562	29 1.45 26	24 1.97 36	48 2.09 38	0.9 .02	0.0	204 3.35 61	9.4 .20 4	65 1.83 33	5.7 .09 2	0.4	299 282	172 5		
14N/03W-12L01 M 8-21-68 1520 5050	66	7.3	535														
14N/03W-14Q02 M 8-22-68 5050 1310 5050	71	7.7 7.8	899 850	40 2.00 22	47 3.86 43	73 3.18 35	1.2 .03	0.0	259 4.25 48	106 2.20 25	86 2.43 27	2.3 .04	0.2	521 483	296 84		
15N/02W-32R01 M 8-21-68 5050 1420 5050	67	7.8 7.4	713 680			58 2.52 35		0.0	326 5.35 75		32 .90 12				247 0		
16N/01W-29J01 M 8-15-68 5050 0815 5050	65	8.0 7.8	425 410			31 1.35 31		0.0	254 4.17 98		9.3 .26 6				158 0		
16N/01W-31Q01 M 8-27-68 5050 0730 5050	66	7.6 7.6	2320 2300			371 16.14 69		0.0	726 11.91 51		135 3.81 16				469 0		
16N/02W-04H01 M 8-20-68 5050 0950 5050	65	8.0 7.8	690 645	44 2.20 32	30 2.47 35	52 2.26 32	1.5 .04 1	0.0	222 3.64 54	85 1.77 26	44 1.24 18	6.0 .10 1	0.1	397 371	233 51		
16N/02W-25B02 M 8-20-68 5050 1115 5050	65	8.7 7.4	1320 1380	48 2.40 15	53 4.36 28	202 8.79 56	2.9 .07	37 1.23 8	686 11.25 73	86 1.79 12	33 .93 6	19 .31 2	0.0	806 817	340 0		
16N/02W-25B03 M 8-20-68 5050 1135 5050	69	8.6 7.6	1380 1425	45 2.25 14	49 4.03 25	222 9.66 60	3.0 .08	35 1.17 7	704 11.55 72	92 1.91 12	40 1.13 7	24 .39 2	0.1	864 855	313 0		
17N/03W-33R01 M 8-23-68 5050 0830 5050	72	8.4 8.0	1010 1000	29 1.45 14	26 2.14 21	148 6.44 64	3.1 .08 1	9.0 .30 3	255 4.18 41	100 2.08 20	129 3.64 36	0.1	564 569	179 0			
17N/03W-33R02 M 8-20-68 5050 0915 5050	68	8.6 7.4	954 955	44 2.20 22	30 2.47 25	119 5.18 52	1.4 .04	13 .43 4	302 4.95 49	102 2.12 21	88 2.48 25	2.4 .04	0.1	552 548	232 0		
SUTTER COUNTY 5-21.05																	
10N/04E-12A01 M 6-27-68 5050 1330 5050	68	8.4 7.8	337 320			32 1.39 42		2 .07	140 2.29		24 .68		0.1		96 0		
11N/03E-03N02 M 6-22-68 5050 0615 5050		8.3	207			25 1.09 50		0.0	112 1.84		4.0 .11		0.2		55 0		
11N/03E-14N02 M 6-20-68 5050 0810 5050	65	8.4 7.9	1220 1200			141 6.13 55		4 .13	146 2.39		322 9.08		0.3		246 120		
11N/03E-36L01 M 6-20-68 5050 0730 5050		8.6 7.9	446 405			86 3.74 82		8 .27	199 3.26		22 .62				41 0		
11N/04E-04R02 M 2-05-68 5050 1615 5050		8.2 7.6	407 400			22 .96 23		0.0	207 3.39		19 .22	2.0 .03			159 0		
11N/04E-23P02 M 6-19-68 5050 0825 5050		8.2 7.5	309 295			25 1.09 34		0.0	148 2.42		20 .56				108 0		
11N/04E-25P01 M 6-19-68 5050 0750 5050		8.5 7.4	346 300			24 1.04 30		4 .13	158 2.59		19 .54		0.1		124 0		
11N/04E-35J01 M 6-19-68 5050 0715 5050	70	8.0 7.8	298 240			31 1.35 44		0.0	144 2.36		21 .59		0.2		87 0		
12N/02E-09B02 M 2-13-68 5050 1145 5050		7.8	657								56 1.58						
12N/02E-11N01 M 2-14-68 5050 1515 5050		7.8	1340								276 7.78						

TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in				Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH
SUTTER COUNTY 5-21.05																	
12N/03E-23G01 M 8-28-68 5050 1300 5050		8.3	2880			174 7.57 28		0.0	191 3.13		855 24.12			0.4		973 816	
12N/03E-30H01 M 2-13-68 5050 1245 5050		7.8	3550								980 27.64						
12N/04E-11H01 M 7-01-68 5050 1645 5050		8.5	338			16 .70 19		8 .27	179 2.93		8.5 .24			0.0		153 0	
12N/04E-18D02 M 2-14-68 5050 1400 5050		7.3	406								5.7 .16					176	
12N/04E-24A01 M 6-19-68 5050 1045 5050	65	8.1 6.9	92 100			3.5 .15 17		0.0	40 .66		3.4 .10			0.0		36 3	
12N/04E-24M02 M 6-19-68 5050 1015 5050	68	8.4 7.2	255 220			24 1.04 39		1 .03	125 2.05		16 .45			0.0		83 0	
12N/04E-25N01 M 2-14-68 5050 1430 5050		7.3	326								11 .31					132	
13N/02E-17A01 M 2-13-68 5050 1410 5050		7.6	1440								280 7.90						
13N/03E-06J02 M 2-13-68 5050 1500 5050		7.3	3020								782 22.06						
13N/03E-04P02 M 6-20-68 5050 1040 5050		8.5 7.4	619 700			28 1.20 20		5 .17	174 2.85		104 2.93			0.0		246 96	
13N/03E-15K03 M 2-14-68 5050 1315 5050		7.9 7.3	3030			138 6.00 20		0.0	374 6.13		728 20.54	25 .40				1220 912	
13N/03E-23C01 M 6-20-68 5050 1005 5050	67	8.1 7.5	2740 2600			102 4.44 18		0.0	141 2.31		721 20.34			0.1		1040 924	
13N/03E-25N02 M 2-05-68 5050 1400 5050		7.8 7.2	1630 1500			71 3.09 19		0.0	284 4.65		366 10.32	0.0		0.0		650 417	
13N/04E-14F04 M 2-15-68 5050 1325 5050		7.1	682 675								31 .87					273	
13N/04E-24N01 M 2-15-68 5050 1350 5050		7.3	263 290								23 .65						
13N/04E-31K01 M 6-26-68 5050 1300 5050	61	8.5 7.1	802 790			47 2.04 22		9 .30	383 6.28		29 .82			0.2		355 26	
13N/04E-33J01 M 2-15-68 5050 1415 5050		7.3	519 510								30 .85						
13N/04E-33J01 M 6-27-68 5050 1130 5050		8.6 7.3	517 500			22 .96 18		17 .57	229 3.75		33 .93					226 10	
14N/02E-13L01 M 2-14-68 5050 1200 5050		7.8	380								2.4 .07						
14N/02E-17A02 M 2-06-68 5050 1545 5050		7.4	421 420								8.2 .23						
14N/03E-14E02 M 6-25-68 5050 1440 5050		8.3 7.6	289 295			7.5 .33 10		0.0	157 2.57		3.8 .11			0.1		141 13	
15N/02E-01R01 M 6-20-68 5050 1325 5050		8.9 7.6	390 405			10 .44 12		28 .93	136 2.23		8.5 .24					167 9	
15N/02E-16C01 M 2-06-68 5050 1500 5050		7.2	912 850								62 1.75						



TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in									Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH
SUTTER COUNTY 5-21.05																	
15N/02E-22R02 M 2-01-68 5050 1000 5050		7.4	738 700										11 .31			345	
15N/03E-04C04 M 6-20-68 5050 1420 5050	66	8.0 7.6	952 930			32 1.39 14		0.0	376 6.16				31 .87	0.1		426 118	
15N/03E-18N03 M 2-01-68 5050 1200 5050		7.6	605 570										15 .42			281	
15N/03E-23B01 M 6-25-68 5050 1325 5050	65	8.1 7.8	348 330			26 1.13 32		0.0	159 2.61				26 .73	0.1		118 0	
15N/03E-23C01 M 6-25-68 5050 1315 5050	59	7.7 7.3	192 200	13 .65 33	13 1.07 54	5.2 .23 12	1.0 .02 1	0.0	115 1.88 91	3.6 .07 4	3.8 .11 5	0.0		0.0	106	86 0	
15N/01W-13Q01 M 2-01-68 5050 1300 5050		8.0	168 195			5.8 .25 15		0.0	89 1.46				3.3 .09	0.5 .01		72 0	
16N/02E-01J02 M 2-06-68 5050 1400 5050		7.2	614 590										10 .28			299	
16N/02E-02R01 M 6-19-68 5050 1355 5050		8.7 7.8	430 415			13 .56 13		15 .50	182 2.98				10 .28			195 21	
16N/03E-04E01 M 6-19-68 5050 1430 5050		8.3 7.4	279 270			14 .61 21		0.0	134 2.20				2.8 .08			116 6	
17N/02E-36P01 M 6-19-68 5050 1325 5050		8.8 7.6	665 640			27 1.17 16		28 .93	326 5.34				13 .37	0.0		319 5	
17N/03E-30H01 M 6-19-68 5050 1240 5050	66	8.5 7.7	286 260			13 .56 18		7 .23	153 2.51				4.5 .13	0.0		125 0	
17N/03E-30M01 M 6-26-68 5050 0900 5050		8.3	458			18 .78 16		0.0	249 4.08				6.1 .17	0.0		212 8	
YUBA COUNTY 5-21.06																	
13N/04E-01L02 M 7-23-68 5050 1600 5050		8.4	655			61 2.65 41		2 .07	173 2.84				94 2.65	0.1		193 48	
13N/04E-02A02 M 6-24-68 5050 1030 5050		8.3 7.2	273 260			17 .74 26		0.0	121 1.98				19 .54	0.0		106 9	
13N/04E-12D02 M 6-24-68 5050 0700 5050		8.5 7.1	626 570			53 2.30 37		3 .10	192 3.15				78 2.20	0.1		200 38	
13N/05E-04B02 M 6-19-68 5050 1500 5050	65	8.3 7.3	547 550	18 .90 18	7.8 .64 13	76 3.31 68	1.6 .04 1	0.0	121 1.98 40	18 .37 7	92 2.60 52	2.8 .04 1		0.4	302	77 0	
14N/03E-24B02 M 6-19-68 5050 0930 5050	69	8.3 7.7	243 240			12 .52 21		0.0	99 1.62				28 .79	0.0		98 17	
14N/03E-25C03 M 6-19-68 5050 0950 5050		8.2 7.8	264 260			15 .65 22		0.0	144 2.36				12 .34			109 0	
14N/04E-02A01 M 6-20-68 5050 1700 5050	70	8.2 7.3	287 280			27 1.17 43		0.0	98 1.61				36 1.02	0.0		77 0	
14N/04E-06H01 M 6-19-68 5050 1150 5050		8.2 7.5	214 220			14 .61 25		0.0	112 1.84				9.2 .26			92 0	
14N/04E-09J02 M 6-20-68 5050 1600 5050		8.6 7.1	495 450			25 1.09 21		8 .27	222 3.64				38 1.07			201 6	
14N/04E-14J02 M 6-20-68 5050 1515 5050		8.1 7.1	199 190			13 .56 29		0.0	93 1.52				8.9 .25			69 0	

TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in							Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH			
YUBA COUNTY 5-21.06																				
14N/05E-05H00 M		8.2	185			12		0.0	116		3.2					77				
6-24-68 5050		7.0	270			.52			1.90		.09					0				
1530 5050						25														
14N/05E-18E01 M		8.0	199			11		0.0	91		6.9					71				
6-24-68 5050		7.1	190			.48			1.49		.19					0				
1430 5050						25														
14N/05E-21Q01 M		7.9	979			103		0.0	87		249		0.3			216				
6-20-68 5050		7.0	800			4.48			1.42		7.02					145				
1130 5050						51														
14N/05E-22M01 M	69	8.1	396			35		0.0	82		61		0.0			88				
6-20-68 5050		7.0	340			1.52			1.34		1.72					21				
1300 5050						46														
14N/05E-31A01 M		8.2	262			17		0.0	119		8.7					111				
6-19-68 5050		7.1	255			.74			1.95		.24					14				
1330 5050						25														
14N/05E-32R03 M		8.3	268	14	17	14	0.9	0.0	120	8.2	15	6.4	0.0		163	106				
6-19-68 5050		7.1	280	.70	1.42	.61	.02		1.97	.17	.42	.10				8				
1545 5050				25	52	22	1		74	6	16	4								
14N/05E-34C01 M	69	8.3	406			39		0.0	88		72		0.0			104				
6-20-68 5050		7.0	300			1.70			1.44		2.03					32				
0930 5050						45														
15N/03E-12C01 M		8.3	478			15		0.0	200		22					215				
6-18-68 5050		6.9	465			.65			3.28		.62					51				
0800 5050						13														
15N/03E-13F01 M	70	8.3	353			18		0.0	162		14		0.0			138				
6-18-68 5050		7.8	290			.78			2.66		.39					5				
1145 5050						22														
15N/03E-13J02 M	70	8.1	273			19		0.0	128		23		0.0			97				
6-18-68 5050		7.9	270			.83			2.10		.65					0				
1205 5050						30														
15N/04E-16P02 M	66	8.3	277			12		0.0	138		3.4		0.0			122				
6-18-68 5050			280			.52			2.26		.10					9				
1330 5050						18														
15N/04E-20H01 M		8.4	262			17		5	243		4.0		0.0			262				
7-01-68 5050						.74		.17	3.98		.11					54				
5050						12														
15N/04E-20J02 M		8.2	186			13		0.0	99		4.7		0.0			67				
6-24-68 5050		7.3	370			.56			1.62		.13					0				
0830 5050						29														
15N/04E-21D01 M	66	8.4	431	35	27	14	1.9	2	220	40	4.6	0.0	0.0		259	199				
6-18-68 5050		8.0	420	1.75	2.23	.61	.05	.07	3.60	.83	.13					15				
1345 5050				38	48	13	1	1	78	18	3									
15N/04E-23Q01 M		8.1	287			28		0.0	95		40					86				
6-24-68 5050		7.7	180			1.22			1.56		1.13					8				
1630 5050						41														
15N/04E-23Q02 M		8.4	419			14		2	196		5.2					190				
6-24-68 5050		7.7	165			.61		.07	3.21		.15					26				
1700 5050						14														
15N/04E-31A01 M		8.2	249			13		0.0	139		9.8					118				
6-23-68 5050		7.5	235			.56			2.28		.28					4				
5050						19														
15N/05E-19N01 M		8.0	218			24		0.0	74		21					64				
6-23-68 5050		7.3	205			1.04			1.21		.59					0				
5050						36														
16N/03E-11N01 M	68	8.2	1310			123		0.0	104		372		0.4			353				
6-18-68 5050		7.3	1300			5.35			1.70		10.49					268				
0850 5050						43														
16N/03E-23B01 M		8.4	277			12		2	141		8.0		0.0			127				
6-21-68 5050		7.1	260			.52		.07	2.31		.22					8				
0945 5050						17														
16N/03E-26Q01 M		8.4	296			17		2	144		11		0.1			122				
6-20-68 5050						.74		.07	2.36		.31					0				
1430 5050						23														
16N/03E-36E02 M		8.7	566			16		16	290		10					280				
6-21-68 5050		7.1	510			.70		.53	4.75		.28					16				
1100 5050						11														
16N/04E-04L02 M		8.2	204			13		0.0	99		8.2					86				
6-21-68 5050		7.3	180			.56			1.62		.23					5				
0830 5050						25														



TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in							Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>
YUBA COUNTY 5-21.06															
16N/04E-09D01 M		8.2	268			12		0.0	91		25				108
6-21-68 5050		7.0	250			.52			1.48		.70				34
0730 5050						19									
16N/04E-09D02 M		8.2	198			15		0.0	88		11		0.0		84
6-23-68 5050						.65			1.44		.31				12
5050						28									
16N/04E-25E01 M		8.4	241			23		2	131		7.4				84
6-21-68 5050		7.3	220			1.00		.07	2.15		.21				0
1500 5050						37									
16N/04E-27F02 M		8.3	199			23		0.0	111		2.1				60
6-21-68 5050		7.1	210			1.00			1.82		.06				0
1350 5050						45									
16N/04E-34E01 M		8.3	254			9.0		0.0	108		2.0				111
6-21-68 5050		7.3	240			.39			1.77		.06				23
1215 5050						15									
PLACER COUNTY 5-21.07															
10N/05E-04Q01 M		8.2	265			32		0.0	113		27		0.3		72
6-24-68 5050						1.39			1.85		.76				0
0845 5050						49									
10N/05E-06M02 M		8.2	314			32		0.0	137		26				92
6-18-68 5050		7.7	320			1.39			2.24		.73				0
1120 5050						43									
10N/06E-05H01 M	70	8.0	215			16		0.0	78		18		0.0		72
6-19-68 5050		7.1	220			.70			1.28		.51				8
1130 5050						33									
10N/06E-05K01 M		8.0	170			15		0.0	80		11				56
7-02-68 5050						.65			1.31		.31				0
1800 5050						37									
10N/06E-10D01 M		8.5	446			28		5	180		33				167
6-20-68 5050			430			1.22		.17	2.95		.93				11
0900 5050						27									
11N/05E-06A01 M		7.9	249			22		0.0	116		14				83
6-20-68 5050						.96			1.90		.39				0
1400 5050						37									
11N/05E-31A01 M	69	8.2	287			31		0.0	124		23				82
6-18-68 5050		7.5	285			1.35			2.03		.65				0
1310 5050						45									
11N/06E-16M01 M	69	8.1	322			43		0.0	82		47		0.6		65
6-19-68 5050		7.0	310			1.87			1.34		1.32				0
1610 5050						59									
11N/06E-34B01 M	71	8.0	257			22		0.0	134		10				90
6-24-68 5050		6.9	270			.96			2.20		.28				0
1300 5050						35									
12N/05E-02B01 M		8.2	180			18		0.0	92		6.5				56
7-17-68 5050						.78			1.51		.18				0
0600 5050															
12N/05E-03A01 M		7.9	212			12		0.0	105		6.6				94
6-26-68 5050						.52			1.72		.19				8
1330 5050						22									
12N/05E-17H01 M		8.2	208			20		0.0	113		7.7		0.1		70
6-20-68 5050		7.5	220			.87			1.85		.22				0
1100 5050						38									
12N/05E-23P02 M		8.1	200			15		0.0	85		8.2				70
6-18-68 5050		7.3	225			.65			1.39		.23				0
1440 5050						32									
12N/06E-11E01 M		8.2	703			106		0.0	259		53				138
6-24-68 5050			700			4.61			4.24		1.50				0
1545 5050						63									
12N/06E-16D02 M		8.1	848			125		0.0	169		129		1.2		144
6-22-68 5050						5.44			2.77		3.64				6
1430 5050						65									
13N/05E-13D01 M		7.9	484			61		0.0	80		73				93
6-21-68 5050			480			2.65			1.31		2.06				28
1200 5050						59									
13N/05E-22C03 M	71	8.2	623			76		0.0	93		125		0.5		118
6-20-68 5050		7.1	590			3.31			1.52		3.53				42
1445 5050						58									

TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in				Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH
PLACER COUNTY 5-21.07																	
13N/05E-24P01 M 6-25-68 5050 1800 5050		7.7	249			24 1.04 41		0.0	102 1.67		20 .56					76 0	
13N/06E-06D01 M 6-26-68 5050 2145 5050		7.6	157			20 .87 54		0.0	61 1.00		5.2 .15					37 0	
13N/06E-09N03 M 6-25-68 5050 0915 5050	65	6.9 <6.0	126 138			5.7 .25 22		0.0	15 .24		16 .45		0.0			45 33	
13N/06E-16D01 M 6-25-68 5050 0815 5050		7.5	131 140			12 .52 42		0.0	44 .72		5.4 .15					36 0	
13N/06E-33C01 M 6-24-68 5050 1435 5050	65	8.0 6.7	725 710			94 4.09 58		0.0	184 3.02		104 2.93		2.6			148 0	
SACRAMENTO COUNTY 5-21.08																	
04N/03E-12P01 M 7-12-68 5050 0800 5050		8.7	1320			124 5.39 37		26 .87	428 7.01		202 5.70					455 61	
04N/03E-14F01 M 6-18-68 5050 1100 5050		8.4 8.3	853 580			164 7.13 84		4 .13	313 5.13		96 2.71		1.5			70 0	
04N/03E-22Q01 M 6-18-68 5050 1240 5050		8.0 8.0	211 175			38 1.65 74		0.0	98 1.61		10 .28					29 0	
05N/04E-21K01 M 6-18-68 5050 1430 5050		8.3	335 230			54 2.34 65		0.0	188 3.08		10 .28					64 0	
05N/05E-03F02 M 6-19-68 5050 1230 5050	70	8.4 7.5	313 190			26 1.13 32		4 .13	175 2.87		11 .31					118 0	
05N/07E-07E02 M 6-19-68 5050 0915 5050		8.2 7.3	171 135			15 .65 39		0.0	74 1.21		9.3 .26					50 0	
06N/05E-01D01 M 6-24-68 5050 0820 5050		8.2 7.6	196 130			23 1.00 47		0.0	121 1.98		4.0 .11					57 0	
06N/05E-04N01 M 6-21-68 5050 0830 5050		8.4 7.4	361 225			20 .87 22		4 .13	184 3.02		13 .37					151 0	
06N/05E-12E01 M 6-21-68 5050 0945 5050		8.2 7.3	222 170			15 .65 27		0.0	126 2.06		6.4 .18					88 0	
06N/05E-31A01 M 6-19-68 5050 1430 5050		8.2 7.5	811 425			45 1.96 22		0.0	341 5.59		83 2.34		0.0			349 70	
06N/06E-29J01 M 6-19-68 5050 0815 5050	67	8.3 7.1	291 190			21 .91 29		0.0	148 2.42		9.5 .27					110 0	
06N/07E-23A01 M 6-24-68 5050 1125 5050	73	8.0 7.3	406 270			58 2.52 69		0.0	78 1.28		16 .45		0.2			57 0	
06N/08E-15J01 M 6-24-68 5050 1225 5050		7.9 6.9	158 135			9.5 .41 28		0.0	57 .93		9.2 .26					53 6	
07N/05E-07C01 M 6-21-68 5050 1315 5050		8.3 7.9	271 215			19 .83 29		0.0	125 2.05		23 .65					100 0	
07N/06E-22R02 M 6-21-68 5050 1215 5050		8.1 7.3	218 180			16 .70 29		0.0	119 1.95		6.6 .19					84 0	
07N/07E-27B01 M 6-25-68 5050 0900 5050		7.9	378			23 1.00 28		0.0	115 1.88		29 .82					128 34	
07N/08E-06N01 M 6-24-68 5050 1615 5050	62	7.8 6.9	255 170			11 .48 18		0.0	143 2.34		4.1 .12					111 0	



TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in				Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH
SACRAMENTO COUNTY 5-21.08																	
08N/07E-02N02 M		7.7	157			13		0.0	65		8.2					51	
6-25-68 5050		7.1	130			.56			1.06		.23					0	
1200 5050						35											
08N/08E-29K01 M		7.7	183			17		0.0	37		12					53	
6-25-68 5050		6.5	145			.74			.61		.34					22	
1000 5050						41											
09N/04E-08L01 M		8.4	712			76		3	30		38					155	
7-06-68 5050						3.31		.10	.49		1.07					126	
1930 5050						52											
09N/04E-27F01 M		8.3	783			87		0.0	222		134					194	
7-01-68 5050						3.78			3.64		3.78					12	
1200 5050						49											
09N/07E-32B01 M		8.0	171			7.8		0.0	78		4.1					68	
6-25-68 5050		6.9	135			.34			1.28		.12					0	
1415 5050						20											
10N/04E-13P01 M	66	8.3	470			36		0.0	179		51					168	
6-27-68 5050		7.5	450			1.57			2.93		1.44					0	
1415 5050						32											
10N/06E-27L01 M		8.3	332			20		0.0	148		28					124	
6-27-68 5050		6.9	330			.87			2.42		.79					3	
1630 5050						26											
YOLO COUNTY 5-21.09																	
06N/03E-11N01 M		8.4	508			92		6	243		19			1.2		56	
6-26-68 5050		8.3	460			4.00		.20	3.98		.54					0	
1415 5050						78											
06N/03E-12J01 M		8.3	532			83		0.0	232		38			1.0		91	
6-26-68 5050		8.1	490			3.61			3.80		1.07					0	
1400 5050						67											
06N/03E-14H02 M		8.5	534			82		10	244		24			1.0		96	
6-25-68 5050		8.1	465			3.57		.33	4.00		.68					0	
1400 5050						65											
06N/03E-15Q01 M		8.2	508			84		0.0	276		15			0.9		81	
6-26-68 5050		8.1	445			3.65			4.52		.42					0	
1300 5050						69											
06N/03E-22N01 M		8.4	496			90		6	260		10			0.9		64	
6-21-68 5050		8.1	445			3.92		.20	4.26		.28					0	
1500 5050						75											
06N/03E-25A01 M		8.4	501			112		6	213		29			1.0		7	
6-21-68 5050		8.3	440			4.87		.20	3.49		.82					0	
1230 5050						97											
06N/03E-25A02 M		8.3	493			91		0.0	232		26			1.0		56	
6-21-68 5050		8.3	435			3.96			3.80		.73					0	
1300 5050						78											
06N/03E-26C01 M		8.4	537			92		5	263		23			1.1		82	
6-26-68 5050		8.2	480			4.00		.17	4.31		.65					0	
1230 5050						71											
06N/03E-27L01 M		8.5	536			94		9	284		12			0.9		82	
6-25-68 5050		8.1	460			4.09		.30	4.65		.34					0	
1130 5050						71											
06N/03E-28H01 M		8.3	541			89		0.0	299		12			1.1		91	
6-26-68 5050		8.1	480			3.87			4.90		.34					0	
1200 5050						68											
06N/03E-34P01 M		8.7	731			96		25	297		54			0.9		185	
6-21-68 5050		8.0	651			4.18		.83	4.87		1.52					0	
1400 5050						53											
06N/03E-36F01 M		8.6	397			65		10	215		8.9			0.6		70	
6-26-68 5050		8.1	345			2.83		.33	3.52		.25					0	
1115 5050						65											
06N/04E-09F02 M		8.4	3010	174	119	292	9.0	13	600	94	668	0.4		0.8	1890	925	
6-27-68 5050		7.7	2600	8.68	9.80	12.70	.23	.43	9.83	1.96	18.84	.01				412	
0915 5050				28	31	40	1	1	32	6	61						
06N/04E-15R03 M		8.0	174			8.2		0.0	95		5.0			0.0		70	
6-27-68 5050		7.5	178			.36			1.56		.14					0	
0730 5050						20											
06N/04E-17J01 M		8.4	657			25		5	303		62			0.5		299	
6-26-68 5050		7.3	590			1.09		.17	4.97		1.75					37	
1445 5050						15											

TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in					Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH	
YOLO COUNTY 5-21.09																		
06N/04E-28B01 M		8.1	199			8.4		0.0	110		6.2				0.0		82	
6-26-68 5050		8.0	195			.36			1.80		.17						0	
1600 5050						18												
06N/04E-32D01 M		8.0	215			12		0.0	109		7.3			0.0			82	
6-26-68 5050		7.7	195			.52			1.79		.20						0	
1515 5050						24												
07N/03E-25C01 M		8.2	1170			77		0.0	288		196			0.7			452	
6-27-68 5050		7.7	1000			3.35			4.72		5.53						216	
1000 5050						27												
07N/03E-36J02 M		8.6	628			78		14	231		51			1.0			153	
6-27-68 5050		7.9	545			3.39		.47	3.79		1.44						0	
1040 5050						53												
07N/04E-04M01 M		8.1	196			8.2		0.0	105		6.0			0.0			85	
6-27-68 5050		7.5	195			.36			1.72		.17						0	
1530 5050						17												
07N/04E-11M02 M		8.1	160			8.7		0.0	84		5.4			0.0			62	
6-27-68 5050		7.7	155			.38			1.38		.15						0	
1445 5050						23												
07N/04E-14G01 M		8.3	212			15		0.0	126		7.2			0.1			78	
6-27-68 5050		7.7	200			.65			2.06		.20						0	
1400 5050						29												
07N/04E-16L01 M		8.5	817			131		5	290		94			3.0			115	
6-27-68 5050		8.1	700			5.70		.17	4.75		2.65						0	
1330 5050						71												
07N/04E-17C01 M		8.4	741			53		11	338		46			1.2			291	
6-28-68 5050		7.7	655			2.30		.37	5.54		1.30						0	
1230 5050						28												
07N/04E-19G01 M		8.4	492			87		3	229		20			1.0			60	
6-27-68 5050		8.1	427			3.78		.10	3.75		.56						0	
1145 5050						76												
07N/04E-27B03 M		8.0	161			7.2		0.0	79		4.6			0.1			59	
6-27-68 5050		7.3	140			.31			1.29		.13						0	
0830 5050						21												
07N/04E-27P01 M	62	8.4	1340	56	37	150	6.3	9	268	0.0	295	0.1		0.4		747	293	
6-27-68 5050		7.7	1100	2.79	3.06	6.79	.16	.30	4.39		8.32						59	
0800 5050				22	24	53	1	2	34		64							
07N/04E-33G01 M		8.2	1920			295		0.0	232		511			2.2			240	
6-25-68 5050		7.9	1590			12.83			3.80		14.42						50	
1600 5050						73												
10N/02W-16L01 M	64	8.2	1760			196		0.0	256		349			2.2			445	
6-20-68 5050		7.3	1610			8.53			4.20		9.84						235	
1230 5050						49												
10N/02W-17J02 M		8.7	1750			165		28	258		240			0.3			546	
6-20-68 5050		7.3	1600			7.18		.93	4.23		6.77						288	
1200 5050						40												
10N/02W-23A01 M		8.4	442			37		5	250		6.0			0.4			165	
6-20-68 5050		7.3	400			1.61		.17	4.10		.17						0	
1345 5050						33												
10N/02W-28J01 M		8.7	914			54		19	316		124			0.3			376	
6-20-68 5050		7.3	960			2.35		.63	5.18		3.50						85	
1430 5050						24												
11N/02E-14K02 M		8.2	1660	69	102	169	3.8	0.0	695	140	141	37		4.0		1020	592	
9-18-68 5050				3.44	8.39	7.31	.10		11.39	2.91	3.98	.60					22	
1040 5050				18	44	38			60	15	21	3						
11N/02E-14N01 M		8.2	1720	62	111	162	24	0.0	617	155	198	9.1		3.7		1050	611	
9-18-68 5050				3.09	9.12	7.05	.06		10.11	3.23	5.58	.14					105	
0950 5050				16	47	37			53	17	29	1						
CAPAY VALLEY 5-21.10																		
10N/02W-18F01 M		8.5	2140			312		14	483		378			1.0			443	
6-20-68 5050		7.3	1710			13.57		.47	7.92		10.66						23	
1130 5050						60												
10N/02W-18F02 M	66	8.5	1430			173		9	171		229			1.7			352	
6-20-68 5050		7.3	1500			7.52		.30	2.80		6.46						196	
1100 5050						52												
10N/02W-18L02 M		8.2	1500	115	53	142	0.8	0.0	507	179	148	0.1		1.6		934	507	
6-20-68 5050		7.3	1290	5.74	4.39	6.18	.02		8.31	3.73	4.18						91	
1000 5050				35	27	38			51	23	26							



TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in							Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH			
CAPAY VALLEY 5-21.10																				
10N/03W-01L02 M		8.3	542				32	0.0	152		56				187					
6-20-68 5050		7.3	620				1.39		2.49		1.58				62					
0830 5050							27													
11N/03W-19Q01 M		8.1	1010	52	57	60	1.0	0.0	228	67	169	8.2		0.3	365					
6-19-68 5050		7.3	1050	2.59	4.70	2.61	.02		3.74	1.39	4.77	.13		661	178					
1330 5050				26	47	26			37	14	48	1								
11N/03W-26Q01 M		8.3	735				56	0.0	340		48			1.8	274					
6-19-68 5050		7.4	740				2.44		5.57		1.35				0					
1400 5050							31													
12N/03W-20D01 M		8.4	731				40	9	374		35			1.7	334					
6-19-68 5050		7.3	655				1.74	.30	6.13		.99				12					
0930 5050							21													
12N/03W-32K01 M		8.5	544				38	14	155		39			0.3	196					
6-19-68 5050		7.3	475				1.65	.47	2.54		1.10				46					
1100 5050							29													
SOLANO COUNTY 5-21.11																				
04N/03E-31F02 M			816								81									
7-29-68 5050											2.18									
1100 5050																				
05N/02E-25K80 M	64	8.3	1580	39	64	247		0.0	1000		21			1.1	362					
8-20-68 5050				1.95	5.28	10.74			16.39		.59				0					
1045 5050				11	29	60														
05N/02E-25P01 M		8.7	1190	11	28	216		25	465		42			1.8	143					
7-29-68 5050				.55	2.31	9.40		.83	7.62		1.18				0					
1200 5050				4	19	77														
06N/01E-19L02 M			880																	
7-31-68 5050																				
1400 5050																				
06N/01E-19Q01 M			747								71									
7-31-68 5050											2.00									
1558 5050																				
06N/01W-01B04 M			482																	
7-00-68 5050																				
5050																				
06N/01W-23L01 M		8.6	591	46	21	44		13	249		14			0.1	203					
7-31-68 5050				2.30	1.76	1.91		.43	4.08		.39				0					
1300 5050				28	30	32														
07N/01E-36C01 M			1040								45									
7-05-68 5050											1.27									
1400 5050																				
07N/02E-02D01 M			781											0.5						
7-29-68 5050																				
1525 5050																				
07N/02E-34C02 M	65	7.9	894	45	69	42		0.0	478		32			0.4	396					
8-21-68 5050				2.24	5.67	1.83			7.83		.90				4					
1230 5050				23	58	19														
07N/02E-34C80 M		8.5	1010	45	83	45		17	490		33			0.4	454					
7-29-68 5050				2.24	6.83	1.96		.57	8.03		.93				24					
1435 5050				20	62	18														
08N/01E-26F01 M		8.6	1130	55	98	50		26	574		18			0.5	539					
7-30-68 5050				2.74	8.03	2.18		.87	9.41		.51				26					
1020 5050				21	62	17														
08N/01W-23A01 M			527											0.4						
7-00-68 5050																				
5050																				
SAN JOAQUIN VALLEY 5-22.00																				
SAN JOAQUIN COUNTY 5-22.01																				
01N/04E-03N01 M		8.1	1260				204	0.0	495		166				215					
8-30-68 5050		7.7	1260				8.87		8.11		4.68				0					
0850 5050							67													
01N/06E-10Q01 M		8.1	1640				223	0.0	212		442				262					
8-27-68 5050		7.6	1600				9.70		3.47		12.47				88					
1000 5050							65													
01N/07E-12C01 M		8.2	339				18	0.0	171		12				127					
9-05-68 5050							.78		2.80		.34				0					
1530 5050							23													

TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in					Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH	
SAN JOAQUIN COUNTY 5-22.01																		
01N/09E-18G01 M 8-28-68 5050 1145 5050		7.8 7.3	185 190			12 .52 29		0.0	74 1.21		9.2 .26					64 4		
02N/06E-27L01 M 8-27-68 5050 1415 5050		7.8 7.5	350 345			34 1.48 40		0.0	186 3.05		11 .31					112 0		
02N/08E-15M03 M 8-28-68 5050 1000 5050	69	8.2 7.4	226 220			10 .44 21		0.0	114 1.87		4.2 .12					85 0		
02N/09E-07G01 M 8-28-68 5050 1100 5050		8.1 7.1	249 260			11 .48 19		0.0	117 1.92		7.6 .21					104 8		
03N/06E-27B03 M 8-26-68 5050 1545 5050		8.6 7.3	606 600			31 1.35 21		16 .53	315 5.16		9.9 .28					256 0		
03N/07E-11G01 M 8-27-68 5050 1530 5050	79	8.1 7.3	187 290			15 .65 35		0.0	88 1.44		7.3 .20					59 0		
03N/08E-08E01 M 8-27-68 5050 1620 5050	69	8.1 7.2	230 235			23 1.00 45		0.0	89 1.46		21 .59					62 0		
04N/04E-14C01 M 8-26-68 5050 1250 5050		8.4 7.6	1030 1000			191 8.31 88		3 .10	217 3.56		216 6.09					55 0		
04N/05E-08H01 M 8-26-68 5050 1330 5050		8.0 7.2	3940 4250			360 15.66 43		0.0	92 1.51		1270 35.83					1020 944		
04N/06E-11P01 M 8-26-68 5050 1515 5050		8.5 7.4	245 260			12 .52 21		4 .13	119 1.95		9.6 .27					98 0		
04N/07E-23B03 M 8-27-68 5050 1700 5050	70	8.3 7.2	249 250			20 .87 35		0.0	111 1.82		1.8 .05					82 0		
05N/05E-33J01 M 8-26-68 5050 1430 5050	65	8.6 7.4	322 355			57 2.48 69		9 .30	178 2.92		9.2 .26		0.4			57 0		
05N/08E-31R01 M 8-29-68 5050 0500 5050		8.1	177			14 .61 35		0.0	94 1.54		5.9 .17					56 0		
01S/04E-14M01 M 8-30-68 5050 1040 5050		8.5 8.2	1540 1500			280 12.18 79		11 .37	224 3.67		196 5.53					158 0		
01S/05E-10H02 M 8-30-68 5050 0945 5050		8.6 7.1	1220 1200			96 4.18 33		15 .50	243 3.98		102 2.88					418 194		
01S/06E-02J01 M 5-24-68 5050 1030 5050		8.4	593			46 2.30 40	16 1.28 23	47 2.04 36	2.9 .07 1	3 .10 2	209 3.42 59	30 .62 11	47 1.32 23	18 .29 5		0.3 345 179 74		
01S/06E-02R01 M 5-06-68 5050 1220 5050	67	8.3	366			20 1.00 29	6.8 .56 16	43 1.87 54	1.8 .05 1	0.0 2.42 68	148 .35 10	17 .56 16	20 .21 6	13		0.3 239 78 0		
01S/06E-04A01 M 8-28-68 5050 1600 5050		8.3 7.6	2430 2400			177 7.70 33		0.0	186 3.05		730 20.59					780 626		
01S/07E-10A01 M 8-28-68 5050 1640 5050	69	8.3 7.8	277 295			21 .91 32		0.0	124 2.03		14 .39					97 0		
01S/09E-08H01 M 8-28-68 5050 1715 5050	72	8.1 7.5	217 220			16 .70 32		0.0	83 1.36		12 .34					75 7		
02S/04E-01P01 M 8-30-68 5050 1115 5050		8.2 8.3	635 625			90 3.92 65		0.0	102 1.67		50 1.41					104 20		
02S/05E-22Q01 M 8-29-68 5050 1100 5050	75	8.3 7.5	1390 1410			157 6.83 50		0.0	138 2.26		252 7.11		1.1			336 222		
02S/05E-23P01 M 8-29-68 5050 1130 5050	70	8.3 7.4	1210 1200			119 5.18 42		0.0	173 2.84		198 5.58					363 220		



TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in										Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH	
SAN JOAQUIN COUNTY 5-22.01																		
02S/05E-29D01 M	68	8.5	1720			182		6	259			290				494		
8-29-68 5050		7.1	1900			7.92		.20	4.24			8.18				272		
1300 5050						44												
02S/06E-20J05 M		8.5	842			133		6	147			85		0.6		120		
8-30-68 5050		7.9	825			5.78		.20	2.41			2.40				0		
1230 5050						71												
02S/07E-20R01 M		8.5	473			28		5	166			17				173		
8-29-68 5050		7.7	460			1.22		.17	2.72			.48				28		
0900 5050						26												
03S/05E-08L01 M		8.3	830			74		0.0	149			93				242		
8-29-68 5050		7.5	820			3.22			2.44			2.62				120		
1400 5050						40												
03S/05E-14D01 M	71	8.3	1480			142		0.0	171			226		0.8		452		
8-29-68 5050		7.5	1475			6.18			2.80			6.38				312		
1445 5050						40												
03S/05E-26M01 M		8.3	3240			381		0.0	114			148		1.1		1140		
9-19-68 5050						16.57			1.87			4.18				1046		
1600 5050						42												
03S/05E-35B01 M		8.3	1340			147		0.0	118			61		1.0		373		
9-18-68 5050						6.39			1.93			1.72				276		
0910 5050						46												
03S/06E-07F01 M	67	8.4	2110			250		6	296			420				515		
8-29-68 5050		7.5	2190			10.88		.20	4.85			11.85				262		
1030 5050						51												
03S/06E-22Q01 M	73	8.3	694			66		0.0	191			35				196		
8-29-68 5050		7.7	650			2.87			3.13			.99				40		
0945 5050						42												
EAST CONTRA COSTA AREA 5-22.51																		
02N/02E-20A01 M			1460									233	47					
7-31-68 5050												6.57	.76					
1000 5050																		
LAHONTAN REGION 6-00.00																		
SURPRISE VALLEY 6-01.00																		
40N/16E-13R01 M	54																	
8-01-68		7.7	230															
0945 5050																		
40N/16E-36G01 M	55	8.5	269	27	12	12	2.5	4.0	148	4.0	1.8	5.0		0.0		192		
8-01-68 5050		7.3	275	1.35	.99	.52	.06	.13	2.43	.08	.05	.08				141		
1015 5050				46	34	18	2	5	88	3	2	3				0		
41N/16E-35D02 M	58																	
8-01-68		7.5	140															
0910 5050																		
42N/16E-04F01 M	54	8.3	422			24		0.0	227			5.6				164		
7-31-68 5050		7.3	420			1.04			3.72			.16				0		
1230 5050						24			88			3						
42N/16E-08E01 M	56																	
7-31-68		8.1	275															
1300 5050																		
42N/16E-08F01 M	56																	
7-31-68		7.5	325															
1310 5050																		
42N/16E-21L01 M	60	8.4	240	24	3.9	23	0.9	3.0	136	5.4	1.9	0.8		0.0		152		
8-01-68 5050		8.0	240	1.20	.32	1.00	.02	.10	2.23	.11	.05	.01				130		
0840 5050				47	13	39	1	4	89	4	2					0		
42N/16E-34F01 M		8.2	359	14	3.1	61		0.0	214			2.8				48		
8-01-68 5050		8.1	345	.70	.26	2.65			3.51			.08				0		
0900 5050				19	7	73			97			2						
43N/16E-07A03 M	54	8.3	214	22	7.0	13	0.6	0.0	131	1.8	1.8	3.2		0.0		138		
8-01-68 5050		7.3	210	1.10	.58	.57	.02		2.15	.04	.05	.05				114		
0850 5050				48	26	25	1		94	2	2	2				0		
43N/16E-33M03 M	61																	
7-31-68		7.9	455															
1330 5050																		
45N/16E-19Q01 M	65																	
7-31-68		8.1	330															
1430 5050																		

TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in				Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH
SURPRISE VALLEY 6-01.00																	
46N/16E-13C01 M	57	8.5	517			48		7.0	267		11					156	
7-31-68 5050		7.3	515			2.09		.23	4.38		.31					0	
1500 5050						40		4	84		5						
46N/16E-23B01 M	54	8.4	317	28	10	19		2.0	118		16					111	
7-31-68 5050		7.9	320	1.40	.82	.83		.07	1.94		.45					11	
1600 5050				44	25	26		2	61		14						
MADELINE PLAINS 6-02.00																	
34N/13E-18E01 M	62																
8-01-68		7.8	152														
1330 5050																	
34N/14E-23E01 M	63	8.2	261	22	12	13	2.6	0.0	147	2.1	3.2	5.6		0.0	158	104	
8-01-68 5050		7.4	260	1.10	.99	.57	.07		2.41	.04	.09	.09			133	0	
1410 5050				40	36	21	3		92	2	3	3					
34N/15E-21L01 M	61																
8-01-68		7.4	135														
1500 5050																	
34N/15E-31H01 M	56																
8-01-68		6.9	235														
1440 5050																	
35N/13E-25M01 M	54	8.6	997	72	54	46	8.2	24	390	27	45	82		0.1	629	402	
8-01-68 5050		7.3	1000	3.59	4.44	2.00	.21	.80	6.40	.56	1.27	1.32			549	42	
1215 5050				35	43	20	2	8	62	5	12	13					
35N/16E-18D01 M	54	8.4	859	12	8.5	162		4.0	476		23					65	
8-01-68 5050		7.6	850	.60	.70	7.05		.13	7.81		.65					0	
1600 5050				6	8	82		1	90		7						
35N/16E-19F01 M	56	8.5	328	14	6.1	49	4.5	8.0	179	2.8	4.3	1.8		0.0	252	60	
8-01-68 5050		7.2	335	70	.50	2.13	.12	.27	2.94	.06	.12	.03			178	0	
1530 5050				20	14	62	3	8	86	2	4	1					
37N/13E-16A01 M	61	8.5	478	49	17	21	3.8	8.0	229	10	18	11		0.0	268	194	
8-01-68 5050		7.4	470	2.45	1.40	.91	.10	.27	3.76	.21	.51	.18			250	0	
1740 5050				50	29	19	2	5	76	4	10	4					
37N/13E-20Q01 M		8.2	2800	118	121	323		0.0	412		349					792	
8-01-68 5050		7.4	2900	5.89	9.95	14.05			6.76		9.84					454	
1715 5050				21	35	50			24		35						
WILLOW CREEK VALLEY 6-03.00																	
31N/12E-13M01 M	57																
8-12-68		7.9	215														
1300 5050																	
31N/12E-25G01 M	56																
8-12-68		7.4	365														
1345 5050																	
HONEY LAKE VALLEY 6-04.00																	
25N/17E-21M03 M	62																
8-13-68		7.9	280														
5050																	
26N/15E-03F01 M	66																
8-13-68		7.8	212														
1050 5050																	
26N/16E-15E01 M	58	8.1	728	57	15	75	5.3	0.0	218	138	22	13	0.7	0.4	418	203	
8-13-68 5050		7.1	700	2.84	1.23	3.26	.14		3.58	2.87	.62	.21			433	24	
0940 5050				38	16	44	2		49	39	9	3					
27N/14E-26E01 M	57	8.2	195	19	2.6	17	1.9	0.0	71	12	5.4	18		0.0	144	58	
8-13-68 5050		6.2	205	.95	.21	.74	.05		1.16	.25	.15	.29			111	0	
1120 5050				49	11	38	3		63	14	8	16					
27N/16E-35P01 M										78	22	1.2	0.5	0.2			
12-21-67 5000										1.62	.62	.02					
5000																	
27N/16E-35P01 M			582							105	22	3.4	0.5	0.2			
3-28-68 5000										2.18	.62	.05					
5000										37	10						
27N/16E-36P02 M			1280														
10-10-67 5000																	
5000																	



TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in				Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH
HONEY LAKE VALLEY 6-04.00																	
27N/16E-36P02 M 12-21-67 5000 5000										222	37	5.6	0.7	0.2			
										4.62	1.04	.09					
27N/16E-36Q02 M 12-21-67 5000 5000										218	50	0.2	0.5	0.2			
										4.53	1.41						
27N/16E-36Q04 M 10-10-67 5000			1110														
27N/16E-36Q04 M 12-21-67 5000 5000										278	45	27	0.6	0.2			
										5.78	1.27	.43					
28N/14E-02G01 M 8-14-68 5050 1100 5050	55	8.3 7.8	1250 1215	27 1.35 11	14 1.15 9	225 9.79 79	6.6 .17 1	0.0	378 6.20 51	81 1.68 14	148 4.17 35	1.6 .03	0.5	0.6	678 690	123 0	
28N/14E-17B01 M 8-13-68 5050 1445 5050	60	7.8 7.3	542 423			50 2.18 40		0.0	294 4.82 88		7.0 .20 3					169 0	
28N/15E-06K02 M 8-15-68 5050 1505 5050	57	8.3 7.5	1430 1450	60 2.99 19	40 3.29 21	206 8.96 58	7.8 .20 1	0.0	584 9.58 62	207 4.31 28	51 1.44 9	5.0 .08 1	0.2	0.3	882 863	316 0	
28N/17E-18K01 M 8-14-68 1210 5050	59	8.2	278														
29N/12E-04G01 M 8-16-68 5050 0900 5050	73	8.3 7.4	882 830	36 1.80 21	8.5 .70 8	135 5.87 69	5.1 .13 2	0.0	194 3.18 37	154 3.20 37	72 2.03 24	10 .16 2	1.2	1.2	511 518	125 0	
29N/13E-01N01 M 8-15-68 5050 1210 5050	67	8.5 7.9	676 645	4.5 .22 4	1.5 .12 2	133 5.79 92	5.6 .14 2	2.0 .07 1	174 2.85 46	99 2.06 34	26 .73 12	27 .43 7		0.6	458 384	17 0	
29N/13E-06K80 M 8-15-68 5050 1230 5050	61	8.3 7.1	507 490	42 2.10 41	18 1.48 29	30 1.31 26	8.5 .22 4	0.0	211 3.46 70	22 .46 9	12 .34 7	44 .71 14		0.1	314 280	178 5	
29N/13E-14G01 M 8-15-68 5050 1300 5050	73	8.2 7.3	714 680	16 .80 12	5.4 .44 7	123 5.35 80	4.4 .11 2	0.0	205 3.36 50	29 .60 9	38 1.07 16	106 1.71 25	0.5	0.2	480 423	62 0	
29N/14E-04N01 M 8-15-68 5050 1325 5050	63	8.3 7.6	784 645	13 .65 8	3.0 .25 3	154 6.70 86	8.8 .23 3	0.0	345 5.66 73	64 1.33 17	23 .65 8	6.7 .11 1	0.4	0.4	504 442	45 0	
29N/14E-17Q01 M 8-15-68 5050 0945 5050	57	8.8 8.2	1640 1600	16 .80 5	5.6 .46 3	366 15.92 92	7.6 .19 1	16 .53 3	620 10.17 62	174 3.62 22	71 2.00 12	12 .19 1		3.6	1010 976	63 0	
29N/14E-18R01 M 8-15-68 5050 1000 5050	61	8.9 8.0	1440 1395	8.7 .43 3	2.3 .19 1	330 14.36 94	9.0 .23 2	19 .63 4	537 8.81 61	158 3.29 23	24 .68 5	64 1.03 7	5.0	1.3	925 884	31 0	
29N/14E-19A02 M 8-15-68 5050 1020 5050	58	8.7 7.5	2020 1990	25 1.25 6	10 .82 4	406 17.66 88	17 .44 2	12 .40 2	446 7.31 36	420 8.74 43	44 1.24 6	158 2.54 13		2.4	1400 1313	105 0	
29N/15E-21N01 M 8-14-68 1430 5050	63	8.1	945														
29N/15E-30A02 M 8-15-68 5050 1415 5050	65	8.0 8.0	627 605			128 5.57 88		0.0	378 6.20 98		7.9 .22 3		0.4			47 0	
29N/16E-30L01 M 8-14-68 1330 5050	82	8.2	300														
30N/12E-33N02 M 8-16-68 5050 1000 5050	72	7.9 7.5	515 505	17 .85 18	5.7 .47 10	79 3.44 71	3.4 .09 2	0.0	102 1.67 34	97 2.02 42	40 1.13 23	2.0 .03 1	0.9	0.7	320 296	66 0	
TRUCKEE VALLEY 6-67.00																	
17N/16E-03R01 M 8-06-68 5050 0805 5050	65	7.9 8.1	176 175			7.7 .33 18		0.0	104 1.70		1.6 .04					75 0	
17N/16E-08MS1 M 8-06-68 5050 0845 5050	53	7.6 7.1	129 140			3.9 .17 12		0.0	78 1.28		1.4 .04					61 0	

TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in						Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH		
TRUCKEE VALLEY 6-67.00																			
17N/16E-14F01 M	47	8.1	146			4.2		0.0	88			1.8				73			
8-06-68 5050		7.1	150			.18			1.44			.05				1			
0740 5050						11													
17N/16E-16L01 M	54	7.9	155			5.7		0.0	60			14				62			
8-06-68 5050		6.7	150			.25			.98			.39				13			
0720 5050						17													
17N/16E-17F01 M		7.8	142			6.2		0.0	60			13				51			
8-06-68 5050						.27			.98			.37				2			
1530 5050						21													
TAHOE VALLEY 6-05.00																			
SOUTH TAHOE VALLEY 6-05.01																			
12N/18E-03A01 M		7.8	129			6.9		0.0	66			5.5				57			
8-05-68 5050		6.3	140			.30			1.08			.16				3			
0835 5050						21													
12N/18E-03C01 M		7.5	158			7.6		0.0	38			7.8				60			
8-05-68 5050		6.9	170			.33			.62			.22				29			
0930 5050						22													
12N/18E-03F01 M		7.7	107			6.1		0.0	62			1.5				43			
8-05-68 5050		6.7	125			.26			1.02			.04				0			
0915 5050						23													
12N/18E-03J01 M		7.6	72			5.1		0.0	43			1.1				27			
8-05-68 5050		7.1	80			.22			.70			.03				0			
0900 5050						29													
12N/18E-05L01 M		7.6	103			6.7		0.0	60			1.4				40			
8-05-68 5050		6.7	105			.29			.98			.04				0			
1030 5050						27													
12N/18E-05P01 M		7.7	74			5.8		0.0	43			1.1				26			
8-05-68 5050		6.7	75			.25			.70			.03				0			
1010 5050						32													
12N/18E-29L01 M		7.6	78			8.0		0.0	40			1.4				23			
8-05-68 5050		7.3	55			.35			.66			.04				0			
0800 5050						43													
NORTH TAHOE VALLEY 6-05.02																			
14N/16E-01C01 M		8.1	153			6.2		0.0	95			2.2				68			
8-05-68 5050		6.9	160			.27			1.56			.06				0			
1620 5050						17													
14N/16E-01K01 M		8.0	119			4.7		0.0	73			2.2				53			
8-05-68 5050		6.9	125			.20			1.20			.06				0			
1700 5050						16													
15N/16E-24A01 M		7.9	141			3.8		0.0	83			2.2				66			
8-05-68 5050		6.5	145			.16			1.36			.06				0			
1555 5050						11													
15N/16E-25C01 M		7.6	100			4.7		0.0	59			1.2				43			
8-05-68 5050		6.5	110			.20			.97			.03				0			
1535 5050						19													
15N/17E-07E01 M		7.6	103			7.1		0.0	51			3.8				36			
8-05-68 5050		6.7	105			.31			.84			.11				0			
1400 5050						30													
16N/16E-32D01 M		8.0	202			5.7		0.0	76			2.0				91			
8-05-68 5050		6.7	220			.25			1.25			.06				28			
1430 5050						12													
16N/16E-32D02 M		7.8	127			4.0		0.0	55			1.4				55			
8-05-68 5050		6.5	140			.17			.90			.04				10			
1440 5050						13													
16N/17E-13H01 M		7.8	113			3.8		0.0	64			2.0				51			
8-05-68 5050		6.9	120			.16			1.05			.06				0			
1215 5050						14													
16N/17E-14B01 M		8.3	271			12		0.0	148			7.1				115			
8-05-68 5050		7.1	280			.52			2.42			.20				0			
1235 5050						18													
16N/17E-14C01 M		8.3	269			11		0.0	164			5.9				121			
8-05-68 5050		7.1	285			.48			2.69			.17				0			
1250 5050						17													



TABLE E-1 (Cont.)

## MINERAL ANALYSES OF GROUND WATER

State Well Number Date Lab Time Sampler	Temp.	pH Lab Field	EC Lab Field	Mineral Constituents in					Milligrams per Liter Milliequivalents per Liter Percent Reactance Value					Milligrams per Liter				
				Ca	Mg	Na	K	CO <sub>3</sub>	HCO <sub>3</sub>	SO <sub>4</sub>	Cl	NO <sub>3</sub>	F	B	SiO <sub>2</sub>	TDS SUM	TH NCH	
CARSON VALLEY 6-06-00																		
11N/19E-35D02 M		7.3	113			8.2		0.0	58			1.2					38	
8-06-68 5050		6.7	130			.36			.95			.03					0	
1200 5050						32												
11N/19E-35K01 M		7.3	78			5.7		0.0	44			0.8					27	
8-06-68 5050		6.5	85			.25			.72			.02					0	
1150 5050						32												
11N/20E-07M01 M		7.3	206			7.8		0.0	51			9.5					75	
8-06-68 5050		6.3	215			.34			.84			.27					33	
1220 5050						18												
TOPAZ VALLEY 6-07.00																		
08N/23E-16P01 M		8.0	256			24		0.0	143			2.8					90	
8-07-68 5050		7.7	270			1.04			2.34			.08					0	
1300 5050						37												
08N/23E-28E03 M		7.5	286			39		0.0	74			15					59	
8-07-68 5050		7.3	285			1.70			1.21			.42					0	
1330 5050						59												
08N/23E-29C02 M		7.5	120			9.0		0.0	61			2.0					42	
8-07-68 5050		7.1	150			.39			1.00			.06					0	
1320 5050						32												
09N/22E-24D01 M		7.5	146			13		0.0	74			2.7					48	
8-07-68 5050		7.5	150			.56			1.21			.08					0	
1130 5050						37												
09N/22E-24M01 M		7.5	222			17		0.0	110			3.2					78	
8-07-68 5050		7.3	225			.74			1.80			.09					0	
1145 5050						32												
09N/23E-20P01 M		8.0	243			13		0.0	138			2.5					108	
8-07-68 5050		7.7	260			.56			2.26			.07					0	
1220 5050						21												
09N/23E-30C02 M		7.6	322			52		0.0	85			38					33	
8-07-68 5050		7.9	325			2.26			1.39			1.07					0	
1200 5050						77												
BRIDGEPORT VALLEY 6-08.00																		
04N/24E-13E01 M		7.6	99			3.9		0.0	51			1.2					42	
8-07-68 5050		6.5	110			.17			.84			.03					0	
1545 5050																		
05N/24E-25G01 M		7.2	124			5.7		0.0	63			1.3					52	
8-08-68 5050		7.1	140			.25			1.03			.04					0	
0705 5050						19												
05N/25E-28K01 M		8.2	468			38		0.0	248			6.0					164	
8-07-68 5050		7.3	475			1.65			4.06			.17					0	
1445 5050						33												
05N/25E-28Q01 M		8.0	272			23		0.0	145			3.7					89	
8-07-68 5050		7.5	290			1.00			2.38			.10					0	
1505 5050						36												

TABLE E-2

## TRACE ELEMENT ANALYSES OF GROUND WATER

State Well Number	Date Sampled	Constituents in Milligrams per Liter						
		Aluminum	Arsenic	Copper	Iron	Lead	Manganese	Zinc
CENTRAL VALLEY REGION 5-00.00								
ALTURAS BASIN 5-02.00								
42N/12E-11J01M	7-24-68	0.04	0.01	0.00	0.00	0.00	0.00	0.00
BIG VALLEY 5-04.00								
38N/07E-14L01M	4-02-68		0.00		34		0.51	
38N/07E-28N09M	7-23-68				0.32			
38N/08E-14N02M	7-23-68		0.13					
39N/08E-23A01M	7-23-68		0.01					
39N/08E-26J02M	7-23-68		0.15					
FALL RIVER VALLEY 5-05.00								
37N/05E-19P02M	7-22-68	0.05	0.00	0.00	0.36	0.02	0.17	0.02
REDDING BASIN 5-06.00								
32N/04W-20H01M	6-20-68		0.01					
32N/04W-34P01M	6-20-68		0.00					
SACRAMENTO VALLEY 5-21.00								
TEHAMA COUNTY 5-21.01								
23N/02W-05A01M	7-02-68				0.04			
24N/01W-36A02M	6-25-68	0.05	0.00	0.00	0.00	0.01	0.00	0.12
25N/02W-16F01M	6-24-68	0.06	0.00	0.01	0.00	0.00	0.00	0.00
27N/03W-23D01M	6-28-68	0.10	0.00	0.00	0.01	0.00	0.00	0.02
27N/04W-34P01M	3-20-68				0.00			
GLENN COUNTY 5-21.02								
18N/02W-07F01M	6-07-68		0.00		0.01			
21N/03W-20D02M	6-07-68		0.01					
BUTTE COUNTY 5-21.03								
18N/01E-14R01M	6-27-68		0.03					
18N/04E-21P01M	6-26-68		0.00					



TABLE E-2 (Continued)

## TRACE ELEMENT ANALYSES OF GROUND WATER

State Well Number	Date Sampled	Constituents in Milligrams per Liter						
		Aluminum	Arsenic	Copper	Iron	Lead	Manganese	Zinc
CENTRAL VALLEY REGION 5-00.00 (Continued)								
COLUSA COUNTY 5-21.04								
16N/02W-25B02M	8-20-68		0.01					
16N/02W-25B03M	8-20-68		0.01					
17N/03W-33R01M	8-23-68		0.01					
17N/03W-33R02M	8-20-68		0.03					
LAHONTAN REGION 6-00.00								
SURPRISE VALLEY 6-01.00								
40N/16E-13R01M	8-01-68	0.08	0.00	0.00	0.01	0.00	0.00	0.00
HONEY LAKE VALLEY 6-04.00								
27N/16E-35P01M	12-21-67		0.00		4.8			
27N/16E-36P02M	10-10-67		0.01				0.96	
	12-21-67		0.01		0.04			
27N/16E-36Q02M	12-21-67		0.00		0.29			
27N/16E-36Q04M	10-10-67		0.01				1.1	
	12-21-67		0.00		0.02			
28N/14E-02G01M	8-14-68		0.02					
28N/15E-06K02M	8-15-68		0.00					
29N/13E-01N01M	8-15-68		0.04					
29N/13E-06K80M	8-15-68		0.00					
29N/13E-14G01M	8-15-68		0.03					
29N/14E-04N01M	8-15-68		0.02					
29N/14E-17Q01M	8-15-68		1.3					
29N/14E-18R01M	8-15-68		0.36					
29N/14E-19A02M	8-15-68		0.16					
29N/15E-21N01M	8-14-68	0.00	0.02	0.01	0.18	0.02	0.00	0.01
29N/15E-30A02M	8-15-68		0.05					
30N/12E-33N02M	8-16-68		0.00					





